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Tables for the Rigid Asymmetric Rotor:

Transformation Coefficients from Symmetric to Asymmetric Bases and Expectation Values of P_z^2, P_z^4, and P_z^6

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Foreword

The National Standard Reference Data System is a Government-wide effort to provide for the technical community of the United States effective access to the quantitative data of physical science, critically evaluated and compiled for convenience, and readily accessible through a variety of distribution channels. The System was established in 1963 by action of the President's Office of Science and Technology and the Federal Council for Science and Technology.

The responsibility to administer the System was assigned to the National Bureau of Standards and an Office of Standard Reference Data was set up at the Bureau for this purpose. Since 1963, this Office has developed systematic plans for meeting high-priority needs for reliable reference data. It has undertaken to coordinate and integrate existing data evaluation and compilation activities (primarily those under sponsorship of Federal agencies) into a comprehensive program, supplementing and expanding technical coverage when necessary, establishing and maintaining standards for the output of the participating groups, and providing mechanisms for the dissemination of the output as required.

The System now comprises a complex of data centers and other activities, carried on in Government agencies, academic institutions, and nongovernmental laboratories. The independent operational status of existing critical data projects is maintained and encouraged. Data centers that are components of the NSRDS produce compilations of critically evaluated data, critical reviews of the state of quantitative knowledge in specialized areas, and computations of useful functions derived from standard reference data. In addition, the centers and projects establish criteria for evaluation and compilation of data and make recommendations on needed modifications or extensions of experimental techniques.

Data publications of the NSRDS take a variety of physical forms, including books, pamphlets, loose-leaf sheets and computer tapes. While most of the compilations have been issued by the Government Printing Office, several have appeared in scientific journals. Under some circumstances, private publishing houses are regarded as appropriate primary dissemination mechanisms.

The technical scope of the NSRDS is indicated by the principal categories of data compilation projects now active or being planned: nuclear properties, atomic and molecular properties, solid state properties, thermodynamic and transport properties, chemical kinetics, colloid and surface properties, and mechanical properties.

An important aspect of the NSRDS is the advice and planning assistance which the National Research Council of the National Academy of Sciences–National Academy of Engineering provides. These services are organized under an overall Review Committee which considers the program as a whole and makes recommendations on policy, long-term planning, and international collaboration. Advisory Panels, each concerned with a single technical area, meet regularly to examine major portions of the program, assign relative priorities, and identify specific key problems in need of further attention. For selected specific topics, the Advisory Panels sponsor subpanels which make detailed studies of users' needs, the present state of knowledge, and existing data resources as a basis for recommending one or more data compilation activities. This assembly of advisory services contributes greatly to the guidance of NSRDS activities.

The NSRDS–NBS series of publications is intended primarily to include evaluated reference data and critical reviews of long-term interest to the scientific and technical community.

A. V. ASTIN, *Director.*

Preface

The rigid asymmetric rotor provides the first approximation for treating the rotational energy of asymmetric molecules. It is thus of considerable importance in the interpretation of both pure-rotational spectra and the rotational fine structure in vibrational and electronic bands. The quantum mechanics of the rigid asymmetric rotor has been discussed in many places, and several tabulations of energy eigenvalues and direction-cosine matrix elements are available. For some purposes, however, it is necessary to have an explicit description of the asymmetric rotor eigenfunctions. This can be given most conveniently in terms of the transformation coefficients from a symmetric rotor basis to the asymmetric rotor basis. The first part of this volume is a tabulation of transformation coefficients for varying degrees of asymmetry.

The transformation coefficients may be used to derive expectation values and matrix elements for the asymmetric rotor from the well-known properties of the symmetric rotor. Three quantities which are of particular importance in spectral analysis are the angular-momentum expectation values $\langle P_z^2 \rangle$, $\langle P_z^4 \rangle$, and $\langle P_z^6 \rangle$. Values of these quantities have been computed at the same asymmetry intervals used in the table of transformation coefficients. They are tabulated in Part II of the volume.

Contents

Tables for the Rigid Asymmetric Rotor: Transformation Coefficients from Symmetric to Asymmetric Bases and Expectation Values of P_z^2, P_z^4, and P_z^6

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Tables of computed quantities associated with the rigid asymmetric rotor are presented. The first group of tables gives transformation coefficients from symmetric to asymmetric rotor bases. These coefficients permit the eigenfunctions of the asymmetric rotor to be written in terms of symmetric-rotor eigenfunctions. In Part II the angular-momentum expectation values (P_z^2), (P_z^4), and P_z^6 are tabulated. In both sets of tables values are given at intervals of 0.1 in the asymmetry parameter κ and for $J \leq 15$. The tabulated quantities find use in the analysis of microwave rotational spectra and the rotational fine structure in vibrational and electronic band spectra.

Key Words: Angular momentum, asymmetric rotor, eigenfunction, microwave spectra, rotational spectrum, and transformation coefficients.

Description of the Tables

I. Transformation Coefficients from Wang Symmetric to Asymmetric Rotor Bases

The matrices reproduced on the following pages contain the coefficients of the transformation from the Wang symmetric rotator basis to asymmetric rotator bases of varying degrees of asymmetry. The coefficients were computed on the CDC 3600 computer at Michigan State University, stored on magnetic tape, and prepared for duplication.

The computed transformation coefficients are the elements of a matrix $\mathbf{T}$ where

$$\mathbf{w} = \tilde{\mathbf{T}}\mathbf{H}_w\mathbf{T}.$$

Here $\mathbf{H}_w$ is the Wang reduced energy matrix [1] for a rigid asymmetric rotator in the Wang symmetric rotator basis and $\mathbf{w}$ is diagonal. The matrices $\mathbf{T}$ were computed for $2 \leq J \leq 15$ at intervals of 0.1 in the asymmetry parameter κ. The King, Hainer, Cross representation I^r was used [2] and the calculations were performed for $0 \geq \kappa \geq -0.9$ using a continued fraction expansion which has been described [3]. The matrices for positive κ may be obtained from those for negative κ by interchanging K_{-1} and K_{+1} in the labeling of the eigenvectors (the columns of the matrices). In this case the representation will be III^l. To obtain the matrices for representations I^l and III^r from the corresponding matrices for I^r and III^l, the signs of the matrix elements in alternate rows must be changed.

The matrix $\mathbf{T}$ is diagonal in J and in a symmetry symbol $\sigma(\sigma = E^+, 0^+, 0^-, \text{or } E^-)$ [2]. Consequently, the table consists of a reproduction of the submatrices for each J, σ, and κ. The eigenvalues of $\mathbf{H}_w$ used to compute the entries were accurate to at least $\pm 1 \times 10^{-7}$ and the uncertainty in the matrix elements of $\mathbf{T}$ is believed to be no more than $\pm 1 \times 10^{-8}$ (the elements are normalized and given to eight decimal places). For checking purposes the elements of the matrix $\mathbf{T}\tilde{\mathbf{T}}$ were computed and found to differ in every case by less than $\pm 1 \times 10^{-8}$ from the elements of the unit matrix.

The principal application of the $\mathbf{T}$ matrices is to express the wave functions of the asymmetric rotator as a linear combination of Wang symmetric rotator functions or to transform the matrix of an observable from the symmetric to the asymmetric rotator basis. If $\underset{\sim}{\phi}$ is a row matrix of the Wang functions and $\underset{\sim}{\psi}$ is a row matrix of the asymmetric rotator functions, then $\underset{\sim}{\psi} = \underset{\sim}{\phi}\,\mathbf{T}$. If $\mathbf{A}_\phi$ is the matrix of an observable in the $\underset{\sim}{\phi}$ basis and $\mathbf{A}_\psi$ is the matrix of the same observable in the $\underset{\sim}{\psi}$ basis, then

$$\mathbf{A}_\psi = \tilde{\mathbf{T}}\mathbf{A}_\phi\mathbf{T}.$$

References

[1] S. C. Wang, Phys. Rev. **34**, 243 (1929).
[2] G. W. King, R. M. Hainer and P. C. Cross, J. Chem. Phys. **11**, 27 (1943).
[3] J. D. Swalen and L. Pierce, J. Math. Phys. **2**, 736 (1961).

II. Expectation values w(b), $\langle P_z^2\rangle$, $\langle P_z^4\rangle$, and $\langle P_z^6\rangle$, for the Rigid Asymmetric Rotator

The computer program which was used to generate the transformation coefficients in the previous table has also been used to compute a table of $\langle P_z^2\rangle$, $\langle P_z^4\rangle$, and $\langle P_z^6\rangle$ for asymmetric rotator molecules. These quantities are the average values of the square, fourth power, and sixth power of the molecule-fixed z-axis component of the rotational angular momentum. The calculations were performed on the CDC 3600 computer at Michigan State University.

The values of $\langle P_z^2\rangle$, $\langle P_z^4\rangle$, and $\langle P_z^6\rangle$ have been computed for $J \leq 15$ at intervals of 0.1 in the asymmetry parameter κ. The calculations were performed for $0 \geq \kappa \geq -0.9$ using coordinate identification I^r in which the a and z axes are indentical [1]. The expectation values for $0 \leq \kappa \leq 0.9$ are obtained by changing the sign of κ in the table, interchanging the K_{-1} and K_{+1} labels of the energy states, and identifying $\langle P_z^n\rangle$ with $\langle P_c^n\rangle$ (coordinate identification III^l or III^r). Values of the Wang reduced energy, w, have also been computed.

The values of w, $\langle P_z^2\rangle$, $\langle P_z^4\rangle$, and $\langle P_z^6\rangle$ are given to eight significant figures in floating decimal format and should be accurate to within ± 1 in the last figure given. (The last three digits and associated sign for each number give the exponent of 10. Thus, for example,

$$4.5808604-004 = 4.5808604 \times 10^{-4}.)$$

For checking purposes the expectation values were read back into the computer from the computer tape used for duplication. Sums of the values read in were then compared with theoretical values of the sums. In no case did the calculated and theoretical sums differ by more than ± 1 in the eighth significant figure. As an additional check the values of $\langle P_z^4\rangle$ were compared with values computed from $\langle P_z^2\rangle$ and w using eq (6) below and found to agree to within the significance of the comparison.

Making use of the familiar relations, [1, 2]

$$H_w = P_z^2 + b(P_y^2 - P_x^2), \tag{1}$$

$$b = (Y-X)/(2Z-X-Y), \tag{2}$$

Representation I^r: $Z=A$, $X=B$, $Y=C$, $b=b_P$
$= (\kappa+1)/(\kappa-3)$

Representation III^l: $Z=C$, $X=B$, $Y=A$, $b=b_0$
$= (\kappa-1)/(\kappa+3)$

$$P^2 = P_x^2 + P_y^2 + P_z^2, \tag{3}$$

$$\langle H_w\rangle = w, \tag{4}$$

$$\langle P^2\rangle = J(J+1), \tag{5}$$

it may be shown that

$$2\langle P_x^2\rangle = J(J+1) - \langle P_z^2\rangle - (w - \langle P_z^2\rangle)/b,$$

$$2\langle P_y^2\rangle = J(J+1) - \langle P_z^2\rangle + (w - \langle P_z^2\rangle)/b,$$

$$4\langle P_x^4\rangle = (J(J+1) - w/b)^2 - 2(1-1/b)(J(J+1) - w/b)\langle P_z^2\rangle + (1-1/b)^2\langle P_z^4\rangle$$

$$4\langle P_y^4\rangle = (J(J+1) + w/b)^2 - 2(1+1/b)(J(J+1) + w/b)\langle P_z^2\rangle + (1+1/b)^2\langle P_z^4\rangle.$$

In addition, from an equation given by Watson [3], it may be shown that

$$\langle P_z^4\rangle = \langle P_z^2\rangle^2 - (f+g)(\langle P_x^2\rangle\langle P_y^2\rangle + \langle P_z^2\rangle) + f(\langle P_y^2\rangle\langle P_z^2\rangle + \langle P_x^2\rangle) + g(\langle P_z^2\rangle\langle P_x^2\rangle + \langle P_y^2\rangle) \tag{6}$$

where

$$f = 2b/(3b+3),$$

$$g = 2b/(3b-3).$$

The principal application of the $\langle P_z^n\rangle$ is for the evaluation of the effects of centrifugal distortion. The centrifugal distortion contribution, W_1, to the total rotational energy of an asymmetric rotator may be written to first order as follows [3]:

$$W_1 = d_J' J^2(J+1)^2 - d_{JK}' J(J+1)\langle P_z^2\rangle - d_K'\langle P_z^4\rangle - d_{wJ}' wJ(J+1) - d_{wK}' w\langle P_z^2\rangle$$

where

$$d_J' = d_J + (\bar{X}+\bar{Y})d_{WJ}/2$$

$$d_{JK}' = d_{JK} + (\bar{X}+\bar{Y})d_{WK}/2$$

$$d_K' = d_K$$

$$d_{wJ}' = (2\bar{Z}-\bar{X}-\bar{Y})d_{WJ}/2$$

$$d_{wK}' = (2\bar{Z}-\bar{X}-\bar{Y})d_{WK}/2.$$

Equations for the unprimed d's and the effective rotational constants $\bar{X}$, $\bar{Y}$, $\bar{Z}$ in terms of the τ's of Kivelson and Wilson may be found in the recent paper by Watson [3].

The values of $\langle P_z^2\rangle$ and $\langle P_z^4\rangle$ are also useful in evaluating higher order corrections for internal

rotation [4]. In addition, the squares find use in fitting spectra since [5]

$$\langle P_\alpha^2 \rangle = \frac{\partial W}{\partial \alpha}, \quad \alpha = A, B, C,$$

where W is the energy of a rigid rotator.

References

[1] G. W. King, R. M. Hainer and P. C. Cross, J. Chem. Phys. **11**, 27 (1943).
[2] S. C. Wang, Phys. Rev. **34**, 243 (1929).
[3] J. K. G. Watson, J. Chem. Phys. **46**, 1935 (1967).
[4] D. R. Herschbach, J. Chem. Phys. **31**, 91 (1959).
[5] J. K. Bragg and S. Golden, Phys. Rev. **75**, 735 (1949).

TABLE I.—TRANSFORMATION COEFFICIENTS

KAPPA = 0.000000							
J = 2, *E*+							
0.96592583	−0.25881905						
0.25881905	0.96592583						
J = 3, *E*+							
0.89787873	−0.44024287						
0.44024287	0.89787873						
J = 3, *O*+							
0.99202970	−0.12600429						
0.12600429	0.99202970						
J = 3, *O*−							
0.97942806	−0.20179364						
0.20179364	0.97942806						
J = 4, *E*+							
0.83381372	−0.55034954	0.04324430					
0.54966953	0.82041265	−0.15743726					
0.05116735	0.15504342	0.98658170					
J = 4, *O*+							
0.97624358	−0.21667597						
0.21667597	0.97624358						
J = 4, *O*−							
0.91143783	−0.41143783						
0.41143783	0.91143783						
J = 4, *E*−							
0.98979877	−0.14247241						
0.14247241	0.98979877						
J = 5, *E*+							
0.78475981	−0.60715177	0.12457435					
0.61178117	0.72657296	−0.31275474					
0.09937724	0.32164959	0.94162928					
J = 5, *O*+							
0.95621138	−0.29193710	0.02079704					
0.29188419	0.94598434	−0.14112851					
0.02152698	0.14101902	0.98977282					
J = 5, *O*−							
0.80656305	−0.59027098	0.03219047					
0.58815883	0.79582457	−0.14398766					
0.05937377	0.13506823	0.98905578					
J = 5, *E*−							
0.96592583	−0.25881905						
0.25881905	0.96592583						
J = 6, *E*+							
0.74727358	0.61776066	0.24476185	−0.00675222				
0.64808206	−0.59620107	−0.47316748	0.02542573				
0.14660088	−0.51013166	0.83613453	−0.13839408				
0.00894570	−0.05178552	0.13070278	0.99002779				
J = 6, *O*+							
0.93511825	−0.35063801	0.05105729					
0.35145568	0.89950338	−0.25956228					
0.04508620	0.26066580	0.96437574					
J = 6, *O*−							
0.70707808	0.70076489	0.09470565					
0.69541148	−0.66480395	−0.27283435					
0.12823205	−0.25877458	0.95738825					

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = 0.000000—*CONTINUED*

J = 6, *E*—						
0.93032179	−0.36600202	0.02332157				
0.36559680	0.92050745	−0.13785870				
0.02898888	0.13677924	0.99017730				
J = 7, *E*+						
0.71749372	−0.59352776	0.36379975	−0.02402699			
0.66984854	0.44521464	−0.59016328	0.06923984			
0.19000003	0.65817717	0.68219434	−0.25556541			
0.02014134	0.12771659	0.23230998	0.96400979			
J = 7, *O*+						
0.91465078	−0.39380384	0.09121784	−0.00343362			
0.39786249	0.83704043	−0.37489223	0.02290353			
0.07145320	0.37858346	0.91285778	−0.13512838			
0.00371858	0.03092604	0.13351327	0.99055740			
J = 7, *O*—						
0.62852847	0.75028014	0.20495136	−0.00515816			
0.75129332	−0.51752422	−0.40888220	0.02328893			
0.20084959	−0.40946588	0.87960827	−0.13522728			
0.01302899	−0.03982555	0.13076532	0.99052744			
J = 7, *E*—						
0.88838164	−0.45526960	0.05922544				
0.45456865	0.85416148	−0.25253814				
0.06438484	0.25127227	0.96577266				
J = 8, *E*+						
0.69296867	−0.55990468	−0.44994324	−0.06205720	0.00107967		
0.68291513	0.31069024	0.64534204	0.14357865	−0.00416107		
0.22860655	0.73673375	−0.51275791	−0.37622535	0.02227660		
0.03402956	0.21677734	−0.34232660	0.90385355	−0.13308204		
0.00154377	0.01446701	−0.03125000	0.13052707	0.99084532		
J = 8, *O*+						
0.89545773	−0.42370978	0.13605618	−0.01068665			
0.43398701	0.76304325	−0.47545159	0.05801774			
0.09864746	0.48273561	0.83480291	−0.24564022			
0.00891133	0.07212048	0.24194753	0.96756427			
J = 8, *O*—						
0.56775286	0.74289023	0.35417527	−0.01818423			
0.77715277	−0.34236372	−0.52459128	0.06020505			
0.26968636	−0.56489973	0.73992899	−0.24629790			
0.03097634	−0.10857938	0.22774757	0.96715150			
J = 8, *E*—						
0.84507523	−0.52295022	0.11115804	−0.00385026			
0.52389257	0.76848937	−0.36669815	0.02220650			
0.10653740	0.36747989	0.91427693	−0.13306395			
0.00584975	0.03009470	0.13143080	0.99085117			
J = 9, *E*+						
0.67220912	−0.53072338	−0.49933608	−0.13081213	0.00438862		
0.69050368	0.20448662	0.64565117	0.25364481	−0.01373933		
0.26239919	0.76332501	−0.33022453	−0.48610630	0.05598228		
0.04970848	0.30415717	−0.46636843	0.79359067	−0.24027447		
0.00391232	0.03662316	−0.08514864	0.22905679	0.96898201		
J = 9, *O*+						
0.87769149	−0.44346672	0.18005377	−0.02398413	0.00056729		
0.46226275	0.68444885	−0.55287273	0.11027403	−0.00378261		
0.12536574	0.56511658	0.73325481	−0.35608500	0.02162255		
0.01593187	0.12434151	0.35134449	0.91845091	−0.13149276		
0.00064057	0.00703411	0.02840452	0.13006077	0.99107391		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = 0.000000 —*CONTINUED*

J = 9, *O*−

0.51955135	0.69340063	−0.49701018	−0.04735120	0.00083914		
0.78568551	−0.16100172	0.58538431	0.11868954	−0.00383846		
0.33135754	−0.67179521	−0.55667077	−0.35852887	0.02163522		
0.05440732	−0.20439785	−0.31574027	0.91557536	−0.13149604		
0.00258830	−0.01366492	−0.02705237	0.12980551	0.99107279		

J = 9, *E*−

0.80333137	−0.56909591	0.17504583	−0.01214584			
0.57572528	0.66708428	−0.46952787	0.05552068			
0.15160622	0.47527219	0.83274632	−0.24013636			
0.01465176	0.07242069	0.23544874	0.96907402			

J = 10, *E*+

0.65427064	−0.50759368	−0.51237580	−0.22711767	0.01292872	−0.00017537	
0.69450976	0.12191611	0.59468763	0.38470298	−0.03379971	0.00068675	
0.29176088	0.75928778	−0.13016935	−0.55670542	0.10714086	−0.00367514	
0.06638878	0.38269382	−0.58036029	0.62544995	−0.34739623	0.02116908	
0.00735960	0.06709570	−0.17299499	0.31410156	0.92189345	−0.13026667	
0.00026569	0.00328557	−0.01132559	0.02555044	0.12899452	0.99124591	

J = 10, *O*+

0.86130557	−0.45615507	0.21933252	−0.04431909	0.00208130		
0.48455360	0.60721825	−0.60386861	0.17803710	−0.01180292		
0.15085816	0.62417037	0.61274107	−0.45755623	0.05332767		
0.02448323	0.18243088	0.45498108	0.83873551	−0.23586968		
0.00170725	0.01840843	0.06911263	0.23130855	0.97024637		

J = 10, *O*−

0.48022542	−0.63341016	0.59781044	−0.10385762	0.00337470		
0.78396650	0.00741970	−0.58663543	0.20261578	−0.01213242		
0.38477744	0.70979497	0.36229471	−0.46262944	0.05342262		
0.08173077	0.30580459	0.40312664	0.82561776	−0.23589796		
0.00681810	0.03756562	0.06865126	0.22910642	0.97022657		

J = 10, *E*−

0.76440999	0.59637746	0.24336590	−0.02799874	0.00063837		
0.61340556	−0.55680339	−0.55013311	0.10508918	−0.00366514		
0.19666129	−0.56350715	0.72322975	−0.34680646	0.02116680		
0.02709319	−0.12926283	0.33815212	0.92262721	−0.13026608		
0.00113682	−0.00739715	0.02680426	0.12906063	0.99124612		

J = 11, *E*+

0.63852113	−0.48906214	0.49686009	0.32439125	0.03176041	−0.00079165	
0.69610651	0.05663204	−0.50927668	−0.49780893	−0.07102981	0.00261532	
0.31720658	0.73799407	−0.06151950	0.56505344	0.17761388	−0.01131396	
0.08346058	0.44957680	0.63993482	−0.42273939	−0.44724255	0.05161370	
0.01184333	0.10380445	0.28156398	−0.38116822	0.84288158	−0.23252425	
0.00074134	0.00900693	0.03446458	−0.06060852	0.22786860	0.97115036	

J = 11, *O*+

0.84618578	−0.46415651	−0.25191893	−0.07095741	0.00549971	−0.00009404	
0.50224641	0.53481201	0.62915820	0.25523600	−0.02718104	0.00062893	
0.17474584	0.66249776	−0.47969564	−0.53891950	0.10002889	−0.00356332	
0.03421604	0.24163695	−0.54279904	0.72816792	−0.33933544	0.02080824	
0.00336338	0.03522546	−0.12611998	0.32939828	0.92607997	−0.12928364	
0.00011017	0.00151982	−0.00720131	0.02556669	0.12826733	0.99138270	

J = 11, *O*−

0.44738231	−0.58068592	0.65062819	−0.19808474	0.00991492	−0.00013784	
0.77609117	−0.11031040	−0.53737435	0.30972139	−0.02855131	0.00063753	
0.43006332	0.69785347	0.16107058	−0.54035912	0.10050698	−0.00356511	
0.11136476	0.39795821	0.49268217	0.68616140	−0.33947160	0.02080865	
0.01321936	0.07247295	0.13840599	0.31844447	0.92590255	−0.12928375	
0.00049608	0.00359781	0.00872327	0.02495545	0.12825117	0.99138266	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = 0.000000 —*CONTINUED*

J = 11, *E*−						
0.72865224	−0.60916635	−0.30835317	−0.05380574	0.00235196		
0.64009539	0.44588473	0.60184376	0.17065252	−0.01124724		
0.23981142	0.62570586	−0.59124021	−0.44582023	0.05159455		
0.04271364	0.19541725	−0.43464981	0.84675989	−0.23251857		
0.00313472	0.02018509	−0.06493824	0.22852719	0.97115451		
J = 12, *E*+						
0.62451719	−0.47375508	0.47139717	−0.39829147	0.06838405	−0.00257708	0.00002877
0.69604940	0.00396958	−0.41970797	0.56691499	−0.13378556	0.00731468	−0.00011397
0.33925882	0.70718403	−0.21426924	−0.51688730	0.26652922	−0.02592703	0.00061181
0.10048319	0.50424073	0.63352913	0.21640585	−0.52747102	0.09599985	−0.00348157
0.01725611	0.14438663	0.38633739	0.43914575	0.72468669	−0.33340259	0.02052023
0.00152359	0.01801148	0.07134651	0.11432843	0.31999031	0.92876864	−0.12847946
0.00004568	0.00069414	0.00354435	0.00688176	0.02443257	0.12760566	0.99149354
J = 12, *O*+						
0.83220318	−0.46906842	−0.27744559	−0.10145192	0.01199956	−0.00039073	
0.51636954	0.46861590	0.63256378	0.33292149	−0.05275186	0.00228553	
0.19688013	0.68410166	−0.34290443	−0.59103434	0.16193285	−0.01076345	
0.04479522	0.29851431	−0.60550500	0.59141679	−0.43583178	0.05023079	
0.00564588	0.05700240	−0.19558371	0.41954775	0.85418030	−0.22982940	
0.00032061	0.00433720	−0.02035339	0.06127865	0.22644572	0.97187144	
J = 12, *O*−						
0.41944340	−0.53758541	0.65552600	0.32365893	0.02448126	−0.00061587	
0.76452985	−0.19895292	−0.44269401	−0.42028041	−0.05738263	0.00233819	
0.46789626	0.65742607	−0.04560389	0.56554961	0.16377370	−0.01077674	
0.14197879	0.47502729	0.56053380	−0.49718704	−0.43620463	0.05023459	
0.02178127	0.11598928	0.23919396	−0.38499401	0.85312124	−0.22983052	
0.00142699	0.01030394	0.02856682	−0.05785810	0.22626475	0.97187058	
J = 12, *E*−						
0.69598362	−0.61203979	−0.36441663	−0.09041562	0.00629373	−0.00010623	
0.65838658	0.34082907	0.62297148	0.24821899	−0.02561525	0.00061028	
0.27998340	0.66152159	−0.44388243	−0.52702888	0.09589222	−0.00348125	
0.06085125	0.26463111	−0.51748363	0.73954047	−0.33337219	0.02052015	
0.00634662	0.03999167	−0.11933472	0.32392114	0.92880985	−0.12847944	
0.00021539	0.00175265	−0.00673467	0.02465564	0.12760945	0.99149355	
J = 13, *E*+						
0.61193586	−0.46075506	0.44793807	−0.44228056	−0.13011529	−0.00697525	0.00014166
0.69484077	−0.03924641	−0.34187556	0.58875105	0.22770653	0.01728635	−0.00048595
0.35839687	0.67143790	−0.32417671	−0.42358927	−0.36555676	−0.05067420	0.00218969
0.11715378	0.54732238	0.58211680	0.01166099	0.56890078	0.15479498	−0.01037709
0.02346020	0.18666954	0.47347169	0.48951465	−0.56164999	−0.42771331	0.04913943
0.00265913	0.03039896	0.11929811	0.19511817	−0.39403058	0.86005333	−0.22762660
0.00013818	0.00205908	0.01070515	0.02237329	−0.05682515	0.22470596	0.97244985
J = 13, *O*+						
0.81923408	−0.47190592	0.29671994	0.13266003	0.02274985	−0.00116716	0.00001564
0.52769060	0.40882842	−0.61982542	−0.40247719	−0.09051880	0.00607094	−0.00010499
0.21724798	0.69287609	0.21139590	0.60955009	0.23643262	−0.02420242	0.00059354
0.05592764	0.35092530	0.63874614	−0.43634057	−0.51647471	0.09260685	−0.00341486
0.00854962	0.08280513	0.27082605	−0.49584673	0.75199879	−0.32855118	0.02028386
0.00068511	0.00902735	0.04169831	−0.11209987	0.32025884	0.93097370	−0.12780905
0.00001893	0.00031424	0.00183753	−0.00621818	0.02396633	0.12705152	0.99158529
J = 13, *O*−						
0.39532384	−0.50214425	0.62346667	0.44719034	0.05363152	−0.00199573	0.00002279
0.75081740	−0.26618804	−0.32242019	−0.50063816	−0.10384662	0.00629932	−0.00010636
0.49916287	0.60216141	−0.22951542	0.52574744	0.24199362	−0.02427130	0.00059381
0.17255391	0.53543578	0.57139785	−0.28557001	−0.51661968	0.09263043	−0.00341492
0.03232357	0.16507906	0.35212063	−0.42522837	0.74735155	−0.32855778	0.02028388
0.00300682	0.02129434	0.06451924	−0.10279827	0.31902568	0.93096442	−0.12780906
0.00009313	0.00083422	0.00316951	−0.00591386	0.02389608	0.12705066	0.99158529

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = 0.000000 —*CONTINUED*							
J = 13, $E-$							
0.66616906	−0.60864734	−0.40871806	−0.13608744	0.01402732	−0.00044139		
0.67029193	0.24515890	0.61587202	0.32992884	−0.04949449	0.00217931		
0.31666846	0.67455051	−0.28984679	−0.58031496	0.15433223	−0.01037448		
0.08080599	0.33162888	−0.57784351	0.60358571	−0.42762044	0.04913869		
0.01088948	0.06650256	−0.18803641	0.41003093	0.86032668	−0.22762638		
0.00064432	0.00517982	−0.01947366	0.05848619	0.22475287	0.97245002		
J = 14, $E+$							
0.60053473	−0.44947334	0.42896477	−0.45530438	−0.21387469	−0.01662153	0.00050135	−0.00000475
0.69282347	−0.07521147	−0.27725003	0.56457378	0.34262743	0.03649537	−0.00150872	0.00001899
0.37504062	0.63352687	−0.40043411	−0.29254023	−0.45177332	−0.08904305	0.00575961	−0.00010233
0.13327430	0.58003548	0.50707783	−0.18565841	0.54984153	0.22658654	−0.02307214	0.00057971
0.03030937	0.22888350	0.53910564	0.51005967	−0.36081384	−0.50754677	0.08997935	−0.00336027
0.00417371	0.04595675	0.17459418	0.30141865	−0.43632138	0.76183840	−0.32458691	0.02008660
0.00030616	0.00444933	0.02296542	0.05371045	−0.09922747	0.31713206	0.93271572	−0.12724165
0.00000785	0.00014118	0.00090663	0.00257999	−0.00549238	0.02339801	0.12657178	0.99166247
J = 14, $O+$							
0.80716680	−0.47331476	0.31107988	0.16186605	0.03840927	−0.00288227	0.00007183	
0.53678855	0.35509979	−0.59676812	−0.45797379	−0.14038136	0.01352395	−0.00042998	
0.23591212	0.69208572	0.09165522	0.59504639	0.31737993	−0.04634203	0.00208530	
0.06737046	0.39774905	0.64391888	−0.27216308	−0.57140420	0.14815079	−0.01006177	
0.01204020	0.11152859	0.34488608	−0.55146318	0.62040220	−0.42087022	0.04824642	
0.00123974	0.01583589	0.07132218	−0.17738743	0.40435494	0.86528082	−0.22578911	
0.00005938	0.00096642	0.00562545	−0.01812457	0.05641996	0.22331575	0.97292640	
J = 14, $O-$							
0.37424884	−0.47234953	0.57887871	0.53882097	0.10661111	−0.00540308	0.00011114	
0.73592683	−0.31767924	−0.20628337	−0.53361485	−0.17317119	0.01433560	−0.00043869	
0.52477047	0.54007608	−0.36442455	0.43468594	0.33014832	−0.04663029	0.00208732	
0.20236168	0.57961629	0.52222398	−0.07973668	−0.56739389	0.14826262	−0.01006228	
0.04456948	0.21671043	0.45117082	−0.44960390	0.60487452	−0.42089245	0.04824656	
0.00535603	0.03686010	0.11472910	−0.16477130	0.39840385	0.86521323	−0.22578915	
0.00028893	0.00255432	0.01027596	−0.01800277	0.05579655	0.22330411	0.97292637	
J = 14, $E-$							
0.63892804	−0.60146974	0.44092593	0.18664398	0.02741707	−0.00132595	0.00001773	
0.67734382	0.16001334	−0.58605758	−0.40600408	−0.08523882	0.00570985	−0.00010209	
0.34971906	0.66969002	0.13919168	0.59889370	0.22501534	−0.02305727	0.00057966	
0.10192794	0.39280722	0.60879684	−0.44610961	−0.50750284	0.08997430	−0.00336026	
0.01678081	0.09861264	0.26537858	−0.48100355	0.76318053	−0.32458551	0.02008659	
0.00140885	0.01109236	0.04103498	−0.10601693	0.31748806	0.93271776	−0.12724165	
0.00004013	0.00039263	0.00180323	−0.00576709	0.02341829	0.12657197	0.99166247	
J = 15, $E+$							
0.59012725	−0.43952044	0.41373052	−0.44358241	0.29890193	−0.03589972	0.00147080	−0.00002520
0.69023657	−0.10549156	−0.22333839	0.50710918	−0.44763525	0.07079891	−0.00392848	0.00008888
0.38954975	0.59513957	−0.45220030	−0.14653939	0.49707014	−0.14442440	0.01279379	−0.00041260
0.14872327	0.60379034	0.42188915	−0.34696554	−0.46753586	0.30729609	−0.04379923	0.00200851
0.03766232	0.26971008	0.58337197	0.47476978	0.15103448	−0.56276009	0.14318632	−0.00980647
0.00607496	0.06426700	0.23338812	0.41000840	0.44591001	0.63223333	−0.41526448	0.04750415
0.00057300	0.00809035	0.04086990	0.10305251	0.15072483	0.39875618	0.86927493	−0.22423354
0.00002545	0.00044920	0.00287124	0.00910971	0.01570652	0.05463550	0.22206877	0.97332538
J = 15, $O+$							
0.79590296	−0.47371660	0.32182124	−0.18731895	−0.05860987	−0.00621184	0.00023669	−0.00000261
0.54410514	0.30687570	−0.56797110	0.49677770	0.19921627	0.02662520	−0.00127888	0.00001758
0.25297432	0.68430227	−0.01324610	−0.55203147	−0.39557085	−0.07946610	0.00538727	−0.00009939
0.07892994	0.43856839	0.62593573	0.10913320	0.59234892	0.21530110	−0.02213850	0.00056819
0.01606466	0.14207926	0.41234162	0.57949664	−0.46482898	−0.49992280	0.08782752	−0.00331461
0.00201213	0.02483667	0.10811655	0.25326526	−0.47238034	0.77252367	−0.32126908	0.01991942
0.00013608	0.00216254	0.01240672	0.03888733	−0.10141882	0.31518259	0.93415011	−0.12675518
0.00000325	0.00006303	0.00044327	0.00169299	−0.00541084	0.02296500	0.12615563	0.99172830

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = 0.000000 —*CONTINUED*

J = 15, *O* −

0.35564705	−0.44677753	0.53759916	0.58990852	−0.19165756	−0.01293495	0.00039125	−0.00000379
0.72048297	−0.35738410	−0.10805196	−0.51948902	0.26605687	0.02913458	−0.00131824	0.00001780
0.54556176	0.47591929	−0.45095476	0.30580269	−0.41530637	−0.08049342	0.00539788	−0.00009943
0.23091357	0.60905675	0.43588012	0.11494139	0.57052556	0.21572159	−0.02214164	0.00056820
0.05820020	0.26824758	0.52442043	−0.45914921	−0.42563049	−0.49993502	0.08782858	−0.00331461
0.00854782	0.05681782	0.17438140	−0.25052582	−0.45131817	0.77215784	−0.32126937	0.01991942
0.00065395	0.00566420	0.02310310	−0.04274493	−0.09810779	0.31508567	0.93414968	−0.12675518
0.00001724	0.00018276	0.00091211	−0.00198959	−0.00527100	0.02295949	0.12615559	0.99172830

J = 15, *E* −

0.61398317	−0.59207237	0.46257992	0.23699157	0.04815398	−0.00331160	0.00008126	
0.68070261	0.08517450	−0.54075701	−0.46786698	−0.13383835	0.01259906	−0.00041092	
0.37920494	0.65161590	0.00107938	0.58118269	0.30316563	−0.04373111	0.00200812	
0.12365802	0.44611382	0.60850882	−0.27698207	−0.56400187	0.14316014	−0.00980637	
0.02396163	0.13482167	0.34362998	−0.53129861	0.63733211	−0.41525933	0.04750412	
0.00259855	0.01990872	0.07213432	−0.16698632	0.40070119	0.86929108	−0.22423353	
0.00012881	0.00124210	0.00570867	−0.01674655	0.05483904	0.22207155	0.97332539	

KAPPA = -0.100000

J = 2, *E* +

0.97298642	−0.23086235
0.23086235	0.97298642

J = 3, *E* +

0.91229299	−0.40953814
0.40953814	0.91229299

J = 3, *O* +

0.99357337	−0.11318995
0.11318995	0.99357337

J = 3, *O* −

0.98516052	−0.17163550
0.17163550	0.98516052

J = 4, *E* +

0.84920211	−0.52707128	0.03242903
0.52623972	0.83955909	−0.13495297
0.04390374	0.13166779	0.99032119

J = 4, *O* +

0.98007494	−0.19862808
0.19862808	0.98007494

J = 4, *O* −

0.93320063	−0.35935580
0.35935580	0.93320063

J = 4, *E* −

0.99215674	−0.12500000
0.12500000	0.99215674

J = 5, *E* +

0.79883549	−0.59399507	0.09503536
0.59509662	0.75726347	−0.26909488
0.08787423	0.27151775	0.95841339

J = 5, *O* +

0.96202453	−0.27248477	0.01615124
0.27236690	0.95433336	−0.12273590
0.01802999	0.12247401	0.99230793

J = 5, *O* −

0.84137178	−0.53994423	0.02353205
0.53836151	0.83348479	−0.12437845
0.04754382	0.11731727	0.99195577

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

J = 5, *E*−

0.97298642	−0.23086235
0.23086235	0.97298642

J = 6, *E*+

0.75999919	−0.61962526	0.19607820	−0.00437081
0.63624238	0.64779005	−0.41857908	0.01884802
0.13245449	0.44155062	0.87927564	−0.11984661
0.00725780	0.03828367	0.11497498	0.99260387

J = 6, *O*+

0.94228076	−0.33235423	0.04059097
0.33257869	0.91504367	−0.22822468
0.03870893	0.22855142	0.97276198

J = 6, *O*−

0.74281769	−0.66590884	0.06919022
0.66071614	0.71247323	−0.23629660
0.10805582	0.22124038	0.96921444

J = 6, *E*−

0.94274932	−0.33303377	0.01766993
0.33268760	0.93542472	−0.11958075
0.02329553	0.11861324	0.99266722

J = 7, *E*+

0.72919708	0.60849051	0.31267743	−0.01561224
0.66147651	−0.51010859	−0.54737348	0.05118907
0.17446964	−0.59955012	0.74878079	−0.22232257
0.01675656	−0.10034032	0.20479850	0.97350327

J = 7, *O*+

0.92264711	−0.37833442	0.07469997	−0.00229948
0.38051714	0.86164920	−0.33536718	0.01721093
0.06261343	0.33741391	0.93193957	−0.11713261
0.00292722	0.02399120	0.11591982	0.99296447

J = 7, *O*−

0.66037311	0.73537631	0.15204728	−0.00326450
0.73010150	−0.58140916	−0.35862586	0.01739747
0.17537856	−0.34696104	0.91385470	−0.11717507
0.01007486	−0.02833920	0.11462423	0.99295351

J = 7, *E*−

0.90513933	−0.42266938	0.04553459
0.42176625	0.87942509	−0.22073683
0.05325444	0.21900254	0.97426991

J = 8, *E*+

0.70391768	−0.57857866	−0.40998752	−0.04070016	0.00060447
0.67710731	0.37327510	0.62522784	0.10618104	−0.00266974
0.21257622	0.70232581	−0.59331554	−0.33052727	0.01667922
0.02890573	0.18038981	−0.29742954	0.92997792	−0.11532874
0.00117830	0.01050779	−0.02264346	0.11385025	0.99318356

J = 8, *O*+

0.90395629	−0.41178327	0.11508486	−0.00728335
0.41843137	0.79631553	−0.43458290	0.04398273
0.08790090	0.43932924	0.86796288	−0.21425147
0.00718719	0.05749735	0.21102991	0.97576062

J = 8, *O*−

0.59561102	0.75420446	0.27620845	−0.01149081
0.76569825	−0.42940467	−0.47674777	0.04504871
0.24153642	−0.49043232	0.80938564	−0.21454880
0.02477606	−0.07914169	0.20326178	0.97560616

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

J = 8, *E*−

0.86459947	−0.49479827	0.08738463	−0.00251938		
0.49423320	0.80613718	−0.32496027	0.01664989		
0.09045354	0.32372334	0.93473108	−0.11532202		
0.00441067	0.02281926	0.11420404	0.99318541		

J = 9, *E*+

0.68258317	−0.54796084	−0.47542698	−0.08821701	0.00246583	
0.68665168	0.25894608	0.65201549	0.19040647	−0.00880763	
0.24644343	0.74988760	−0.42916114	−0.43701711	0.04208311	
0.04296478	0.26376871	−0.40126655	0.85072997	−0.20934127	
0.00305851	0.02793749	−0.06042231	0.20307067	0.97689385	

J = 9, *O*+

0.88649247	−0.43492783	0.15712535	−0.01674516	0.00032801	
0.44847831	0.72399801	−0.51719318	0.08484847	−0.00245671	
0.11325177	0.52556622	0.78231168	−0.31413385	0.01620340	
0.01311923	0.10207405	0.30879801	0.93865183	−0.11395307	
0.00047407	0.00507072	0.02133208	0.11301770	0.99335090	

J = 9, *O*−

0.54425825	0.72657317	0.41830396	−0.02993270	0.00045959	
0.78118953	−0.25834213	−0.56130997	0.08903497	−0.00248007	
0.30252639	−0.61654434	0.65470355	−0.31535920	0.01620798	
0.04472224	−0.15855865	0.28443271	0.93753484	−0.11395412	
0.00189279	−0.00911069	0.02035185	0.11293280	0.99335059	

J = 9, *E*−

0.82434279	−0.54800586	0.14171797	−0.00803498		
0.55045587	0.71761241	−0.42458932	0.04188880		
0.13163531	0.42612744	0.87022202	−0.20928733		
0.01137781	0.05601251	0.20579982	0.97692353		

J = 10, *E*+

0.66418885	−0.52254668	−0.50891448	−0.16355710	0.00729794	−0.00008491	
0.69218758	0.16858021	0.63258845	0.30301827	−0.02164949	0.00038120	
0.27623227	0.76081981	−0.25088579	−0.52472605	0.08100731	−0.00237935	
0.05822983	0.34183650	−0.51201901	0.72386137	−0.30555979	0.01586065	
0.00587471	0.05311742	−0.12523001	0.28589229	0.94179815	−0.11288630	
0.00019064	0.00229105	−0.00694237	0.01954195	0.11209514	0.99347839	

J = 10, *O*+

0.87028797	−0.45037026	0.19683325	−0.03194770	0.00121995	
0.47241616	0.65021273	−0.57823665	0.14010411	−0.00771966	
0.13783656	0.59202890	0.67821666	−0.41098770	0.04017629	
0.02052390	0.15395912	0.40517603	0.87719968	−0.20549564	
0.00129371	0.01372595	0.05247461	0.20238580	0.97780178	

J = 10, *O*−

0.50251112	−0.67301926	−0.53865977	−0.06610512	0.00184801	
0.78455341	0.09602886	0.59312254	0.15296504	−0.00785774	
0.35666288	0.68790286	−0.47578721	−0.41423527	0.04021082	
0.06872962	0.25276614	−0.35938775	0.87177611	−0.20550519	
0.00513272	0.02687874	−0.05018244	0.20161191	0.97779627	

J = 10, *E*−

0.78607424	−0.58328003	0.20375756	−0.01882613	0.00036096	
0.59274251	0.61801688	−0.51018154	0.08012863	−0.00237574	
0.17400265	0.51697517	0.78038258	−0.30530518	0.01585994	
0.02158769	0.10271381	0.29798722	0.94204256	−0.11288614	
0.00080700	0.00510786	0.02010733	0.11211398	0.99347844	

J = 11, *E*+

0.64806566	−0.50213263	0.51144406	0.25685139	0.01805319	−0.00038476	
0.69500568	0.09699603	−0.57126125	−0.42325715	−0.04550539	0.00145233	
0.30230960	0.75002055	0.06276422	0.56898837	0.13541374	−0.00735412	
0.07412110	0.41074760	0.60042073	−0.55143911	−0.39961515	0.03885940	
0.00962761	0.08466302	0.21709414	−0.35342450	0.88299533	−0.20253393	
0.00054453	0.00650747	0.02261167	−0.04624943	0.19973344	0.97847515	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

J = 11, *O*+

0.85527402	−0.46044170	−0.23164589	−0.05319024	0.00328168	−0.00004697	
0.49160045	0.57902917	0.61635371	0.20697645	−0.01797088	0.00035312	
0.16118358	0.63899343	−0.55995904	−0.49635628	0.07601473	−0.00230869	
0.02912762	0.20897696	−0.49328817	0.78921578	−0.29839970	0.01559079	
0.00260251	0.02708559	−0.09766205	0.29108675	0.94468993	−0.11203195	
0.00007664	0.00103210	−0.00480265	0.01920833	0.11138488	0.99357954	

J = 11, *O*−

0.46776535	−0.61764523	0.61879128	−0.12952902	0.00543347	−0.00006531	
0.78046102	−0.03660589	−0.57638803	0.23869089	−0.01854661	0.00035623	
0.40355508	0.70374491	0.29186162	−0.50089195	0.07619128	−0.00230925	
0.09547338	0.34484074	0.43580975	0.76988560	−0.29845041	0.01559090	
0.01020702	0.05474234	0.09865947	0.28682957	0.94463910	−0.11203198	
0.00034163	0.00236955	0.00521153	0.01900271	0.11138092	0.99357954	

J = 11, *E*−

0.75047348	0.60340188	0.26706241	−0.03703513	0.00134179		
0.62378440	−0.51361577	−0.57404964	0.13230703	−0.00732995		
0.21555988	−0.58846437	0.66832846	−0.39883720	0.03885338		
0.03480356	−0.16002020	0.38740467	0.88435318	−0.20253228		
0.00228819	−0.01443044	0.04898334	0.19992897	0.97847614		

J = 12, *E*+

0.63374728	−0.48543440	0.49298017	0.34370259	0.03943762	−0.00125839	0.00001205
0.69594037	0.03932347	−0.48727182	−0.51888166	−0.08620983	0.00406477	−0.00005472
0.32510265	0.72662644	−0.10828841	0.55842380	0.20608629	−0.01694357	0.00034250
0.09019525	0.46911011	0.63511973	−0.35891220	−0.48404380	0.07281489	−0.00225539
0.01425371	0.12073358	0.31918709	−0.40590853	0.79530766	−0.29296320	0.01537474
0.00114278	0.01341731	0.05047964	−0.08482531	0.28528348	0.94672778	−0.11133276
0.00003080	0.00045760	0.00216326	−0.00426340	0.01848342	0.11077848	0.99366163

J = 12, *O*+

0.84134835	−0.46687984	−0.26038436	−0.07938756	0.00733074	−0.00019743	
0.50705910	0.51263529	0.63297455	0.27960911	−0.03544603	0.00129108	
0.18305920	0.66908043	−0.43347096	−0.56153591	0.12470745	−0.00700771	
0.03864577	0.26366942	−0.56499911	0.67606187	−0.38893568	0.03781978	
0.00445033	0.04504261	−0.15564873	0.37549328	0.89031815	−0.20015800	
0.00022826	0.00304228	−0.01398607	0.04624860	0.19799122	0.97900747	

J = 12, *O*−

0.43828619	−0.57011421	0.65687374	−0.22629872	0.01344237	−0.00029201	
0.77175242	−0.13880780	−0.51718153	0.34095890	−0.03740546	0.00131019	
0.44350275	0.68254628	0.10168599	−0.55795926	0.12541187	−0.00701187	
0.12374162	0.42597510	0.51027717	0.62451014	−0.38911065	0.03782081	
0.01719652	0.09125505	0.17325458	0.35943535	0.89000142	−0.20015828	
0.00100984	0.00710520	0.01732538	0.04484067	0.19794535	0.97900729	

J = 12, *E*−

0.71767664	−0.61210002	−0.32578024	−0.06424822	0.00363499	−0.00005192	
0.64599966	0.41080586	0.61217647	0.19717905	−0.01683042	0.00034202	
0.25504155	0.63709888	−0.53916653	−0.48275892	0.07278058	−0.00225531	
0.05055603	0.22315891	−0.46914098	0.80093248	−0.29295342	0.01537473	
0.00474920	0.02959629	−0.09107183	0.28653043	0.94673795	−0.11133276	
0.00014388	0.00113580	−0.00439651	0.01854410	0.11077928	0.99366163	

J = 13, *E*+

0.62089595	−0.47140548	0.46879581	−0.40795422	0.07782801	−0.00342535	0.00005954
0.69554876	−0.00794734	−0.40426899	0.57445072	−0.15043008	0.00961558	−0.00023359
0.34503066	0.69612654	−0.24223360	−0.50180922	0.29113362	−0.03334341	0.00123069
0.10613016	0.51686927	0.61622487	0.16692929	−0.54759268	0.11866215	−0.00675334
0.01965301	0.15945118	0.41269219	0.45156726	0.67336669	−0.38101180	0.03699386
0.00203230	0.02326090	0.08957377	0.14074822	0.36243864	0.89496967	−0.19821402
0.00009536	0.00140082	0.00696834	0.01337140	0.04373316	0.19637365	0.97943630

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

J = 13, *O*+

0.82840355	−0.47085768	−0.28302186	0.10832064	0.01433581	−0.00059819	0.00000675	
0.51957112	0.45183948	0.63170668	−0.35063501	−0.06226335	0.00345911	−0.00005097	
0.20337985	0.68555743	−0.30611334	0.60017160	0.18569966	−0.01586958	0.00033250	
0.04881454	0.31561162	−0.61384690	−0.54252424	−0.47109046	0.07024786	−0.00221225	
0.00685107	0.06702167	−0.22237436	−0.45111417	0.81178938	−0.28857208	0.01519754	
0.00049812	0.00651895	−0.02966912	−0.08522343	0.28316097	0.94835030	−0.11074989	
0.00001238	0.00020114	−0.00113553	−0.00402627	0.01802871	0.11026756	0.99372959	

J = 13, *O*−

0.41288723	−0.53084916	0.65371060	0.34570154	0.02958558	−0.00094773	0.00000934	
0.76021141	−0.21701799	−0.42082850	−0.43959788	−0.06801717	0.00354217	−0.00005139	
0.47712983	0.64013308	−0.08879552	0.56488915	0.18798865	−0.01589118	0.00033257	
0.15253775	0.49304906	0.55863249	−0.44088969	−0.47142371	0.07025435	−0.00221227	
0.02602591	0.13417106	0.27176609	−0.40909457	0.81030842	−0.28857391	0.01519754	
0.00218060	0.01524721	0.04184547	−0.07992196	0.28283232	0.94834833	−0.11074989	
0.00006034	0.00052452	0.00175284	−0.00384729	0.01801269	0.11026740	0.99372959	

J = 13, *E*−

0.68757179	−0.61296560	−0.37593175	−0.10062600	0.00823909	−0.00021740		
0.66136457	0.31420758	0.62414232	0.27061430	−0.03291313	0.00122744		
0.29173558	0.66366019	−0.39905286	−0.54873685	0.11850989	−0.00675263		
0.06828389	0.28723998	−0.53690430	0.69141474	−0.38097429	0.03699368		
0.00833109	0.05082320	−0.14643761	0.36812853	0.89503979	−0.19821398		
0.00044204	0.00348193	−0.01297317	0.04424054	0.19638385	0.97943634		

J = 14, *E*+

0.60925921	−0.45933947	0.44704447	−0.44578308	−0.13846135	−0.00821978	0.00021173	−0.00000172
0.69421277	−0.04726321	−0.33243325	0.58878566	0.24133064	0.02033195	−0.00072637	0.00000789
0.36247623	0.66189447	−0.33947178	−0.40734993	−0.38187687	−0.05908557	0.00325384	−0.00004953
0.12170176	0.55471019	0.56240638	−0.02276295	0.57390394	0.17627242	−0.01511245	0.00032471
0.02570878	0.19914645	0.48893577	0.48849452	−0.51415983	−0.46149150	0.06822902	−0.00217688
0.00324413	0.03601040	0.13708464	0.22017707	−0.42059939	0.82041488	−0.28497661	0.01504960
0.00021577	0.00311397	0.01570559	0.03240689	−0.07819760	0.28034084	0.94964785	−0.11025652
0.00000497	0.00008770	0.00054024	0.00131285	−0.00364124	0.01760694	0.10982965	0.99378678

J = 14, *O*+

0.81633825	−0.47314024	0.30033758	0.13744483	0.02518264	−0.00150383	0.00003132	
0.52973058	0.39667582	−0.61733429	−0.41343697	−0.09970554	0.00779858	−0.00020989	
0.22215247	0.69148468	0.18485643	0.60969712	0.25622496	−0.03069422	0.00117357	
0.05940491	0.36331392	0.63745246	−0.39536786	−0.53746065	0.11360384	−0.00654848	
0.00979092	0.09219739	0.29223298	−0.51314996	0.70788962	−0.37450500	0.03631900	
0.00091864	0.01173784	0.05258315	−0.13663431	0.36328474	0.89877852	−0.19659307	
0.00003972	0.00063767	0.00361537	−0.01185962	0.04273106	0.19501830	0.97978967	

J = 14, *O*−

0.39072748	−0.49809995	0.62091978	0.45840139	0.05957057	−0.00257221	0.00004561	
0.74698458	−0.27731824	−0.30654282	−0.50788393	−0.11457959	0.00809450	−0.00021262	
0.50517312	0.58647970	−0.25391632	0.51635568	0.26228972	−0.03078493	0.00117412	
0.18109947	0.54545629	0.55562036	−0.24383001	−0.53717542	0.11363554	−0.00654860	
0.03651531	0.18100869	0.37519273	−0.43604029	0.70244067	−0.37451275	0.03631903	
0.00397093	0.02725995	0.08059039	−0.12485077	0.36157120	0.89876361	−0.19659308	
0.00019216	0.00166585	0.00618505	−0.01126787	0.04257816	0.19501613	0.97978966	

J = 14, *E*−

0.65995004	−0.60879615	−0.41561322	0.14431532	0.01647736	−0.00065974	0.00000749	
0.67143293	0.22621033	0.61243626	−0.34581984	−0.05767733	0.00323820	−0.00004947	
0.32531282	0.67138952	−0.25533172	0.58915799	0.17572105	−0.01510842	0.00032470	
0.08742354	0.34836020	−0.58395585	−0.55896164	−0.46141085	0.06822782	−0.00217687	
0.01309483	0.07757516	−0.21259071	−0.43988664	0.82077865	−0.28497627	0.01504960	
0.00099022	0.00771055	−0.02815693	−0.08076059	0.28042153	0.94964822	−0.11025652	
0.00002521	0.00024024	−0.00106659	−0.00373374	0.01761087	0.10982968	0.99378678	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

J = 15, *E*+

0.59864344	−0.44876824	0.42924345	−0.45656833	−0.21727074	−0.01793199	0.00062465	−0.00000916
0.69220005	−0.08036180	−0.27218650	0.56330131	0.34847804	0.03958126	−0.00189524	0.00003697
0.37777635	0.62603841	−0.40802462	−0.28167530	−0.45836289	−0.09688332	0.00727431	−0.00020051
0.13676125	0.58367642	0.49011444	−0.20330027	0.54650744	0.24406125	−0.02893932	0.00113001
0.03230102	0.23846943	0.54594989	0.49720901	−0.32592108	−0.52774384	0.10969071	−0.00638195
0.00479428	0.05143242	0.18988801	0.31924271	−0.44930140	0.72105875	−0.36916430	0.03575773
0.00041164	0.00580919	0.02909274	0.06639016	−0.11994140	0.35916354	0.90178516	−0.19522088
0.00001650	0.00028742	0.00178772	0.00496565	−0.01035973	0.04149424	0.19384226	0.98008579

J = 15, *O*+

0.80506090	−0.47422895	0.31344267	0.16462760	−0.04030251	−0.00331532	0.00010446	−0.00000097
0.53799457	0.34681473	−0.59450434	−0.46356881	0.14732915	0.01560982	−0.00062891	0.00000738
0.23943585	0.68942906	0.07450953	0.59114629	−0.33089799	−0.05338216	0.00305091	−0.00004814
0.07022648	0.40600199	0.63752198	−0.24223370	0.58035275	0.16762891	−0.01450227	0.00031827
0.01323639	0.11966237	0.35981629	−0.55629808	−0.58014775	−0.45338848	0.06658281	−0.00214729
0.00151687	0.01884580	0.08243769	−0.19931914	−0.43333737	0.82801307	−0.28197305	0.01492422
0.00009296	0.00146691	0.00827891	−0.02596151	−0.07747274	0.27808541	0.95071467	−0.10983352
0.00000200	0.00003799	0.00025858	−0.00096813	−0.00351104	0.01726247	0.10945101	0.99383558

J = 15, *O*−

0.37119099	−0.47024825	0.57874743	0.54201075	−0.11100169	−0.00617985	0.00016087	−0.00000134
0.73282066	−0.32418909	−0.19800983	−0.53444124	0.18101492	0.01652779	−0.00064131	0.00000744
0.52836974	0.52763065	−0.37498015	0.42535583	−0.34351072	−0.05370920	0.00305379	−0.00004815
0.20887691	0.58384043	0.50326634	−0.05415408	0.57527285	0.16775526	−0.01450300	0.00031827
0.04842516	0.22939196	0.46330907	−0.44957602	−0.56413177	−0.45340697	0.06658303	−0.00214729
0.00646478	0.04323212	0.13068552	−0.18427350	−0.42644688	0.82792829	−0.28197311	0.01492422
0.00044547	0.00381682	0.01490406	−0.02569721	−0.07655106	0.27806662	0.95071460	−0.10983352
0.00001050	0.00010862	0.00050860	−0.00100140	−0.00347741	0.01726156	0.10945100	0.99383558

J = 15, *E*−

0.63457627	−0.60151464	0.44477969	0.19175640	0.02984649	−0.00166949	0.00003457	
0.67740805	0.14752505	−0.58180675	−0.41495575	−0.09281844	0.00721300	−0.00020006	
0.35569360	0.66425579	0.11610584	0.59930020	0.24241972	−0.02892081	0.00112992	
0.10745982	0.40389717	0.60548119	−0.40995017	−0.52780819	0.10968431	−0.00638193	
0.01903278	0.10882875	0.28450494	−0.49719827	0.72255458	−0.36916275	0.03575772	
0.00186703	0.01426541	0.05126936	−0.12843874	0.35963143	0.90178822	−0.19522088	
0.00008305	0.00078650	0.00350661	−0.01089530	0.04153586	0.19384271	0.98008579	

KAPPA = −0.200000

J = 2, *E*+

0.97919940	−0.20290030
0.20290030	0.97919940

J = 3, *E*+

0.92693614	−0.37521913
0.37521913	0.92693614

J = 3, *O*+

0.99494979	−0.10037384
0.10037384	0.99494979

J = 3, *O*−

0.98953846	−0.14426934
0.14426934	0.98953846

J = 4, *E*+

0.86625878	−0.49902775	0.02381254
0.49824120	0.85942127	−0.11467692
0.03676196	0.11120428	0.99311740

J = 4, *O*+

0.98372109	−0.17970205
0.17970205	0.98372109

J = 4, *O*−

0.95155945	−0.30746483
0.30746483	0.95155945

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

J = 4, *E*−

0.99411925	−0.10829093
0.10829093	0.99411925

J = 5, *E*+

0.81495011	−0.57522374	0.07052637
0.57451184	0.78590525	−0.22866807
0.07610826	0.22687130	0.97094642

J = 5, *O*+

0.96786062	−0.25118899	0.01224402
0.25105570	0.96220310	−0.10552833
0.01472632	0.10521065	0.99434092

J = 5, *O*−

0.87597098	−0.48206832	0.01688107
0.48097207	0.87025200	−0.10642991
0.03661570	0.10134883	0.99417690

J = 5, *E*−

0.97919940	−0.20290030
0.20290030	0.97919940

J = 6, *E*+

0.77467201	−0.61416013	0.15060905	−0.00274565
0.62131536	0.69492778	−0.36173794	0.01372117
0.11754960	0.37301494	0.91459593	−0.10274354
0.00571004	0.02725028	0.09988424	0.99460945

J = 6, *O*+

0.94974637	−0.31144161	0.03139980
0.31133337	0.92946189	−0.19791947
0.03245544	0.19774911	0.97971523

J = 6, *O*−

0.78269251	−0.62043825	0.04948557
0.61615579	0.76113516	−0.20254707
0.08800275	0.18902289	0.97802140

J = 6, *E*−

0.95440708	−0.29822113	0.01308771
0.29795392	0.94904841	−0.10261864
0.01818218	0.10183949	0.99463467

J = 7, *E*+

0.74267673	0.61870810	0.25599778	−0.00983347
0.65067130	−0.57656678	−0.49276358	0.03717062
0.15771671	−0.52834300	0.81202435	−0.19129969
0.01354882	−0.07499805	0.17962641	0.98077830

J = 7, *O*+

0.93118573	−0.35968021	0.05933863	−0.00148877
0.36056431	0.88474429	−0.29506032	0.01266181
0.05368023	0.29585599	0.94841585	−0.10047405
0.00222584	0.01808088	0.09962781	0.99485799

J = 7, *O*−

0.69764939	0.70804057	0.10936108	−0.00200768
0.70074410	−0.64260327	−0.30960659	0.01274766
0.14895357	−0.29213987	0.93934481	−0.10049113
0.00747478	−0.01984638	0.09907194	0.99485426

J = 7, *E*−

0.92179406	−0.38617590	0.03411587
0.38531318	0.90290335	−0.19052373
0.04277233	0.18876893	0.98108961

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

J = 8, *E*+

0.71649521	−0.59762330	0.35891055	−0.02577037	0.00032517		
0.66936911	0.44484245	−0.59002914	0.07696126	−0.00166530		
0.19495395	0.65140111	0.67488442	−0.28644495	0.01224127		
0.02391276	0.14347991	0.25944448	0.94960336	−0.09891265		
0.00086482	0.00718893	0.01638321	0.09805917	0.99501938		

J = 8, *O*+

0.91316991	−0.39649428	0.09428740	−0.00478466			
0.40024370	0.82869898	−0.38987465	0.03256899			
0.07677389	0.39253081	0.89773512	−0.18465369			
0.00560982	0.04438298	0.18215185	0.98225220			

J = 8, *O*−

0.62864177	0.75025927	0.20462362	−0.00705166			
0.74816856	−0.51174975	−0.42102606	0.03306146			
0.21139670	−0.41490875	0.86545897	−0.18477806			
0.01909888	−0.05544323	0.17845728	0.98219870			

J = 8, *E*−

0.88487837	−0.46102636	0.06665152	−0.00159609			
0.45978732	0.84147204	−0.28349754	0.01222971			
0.07467070	0.28123788	0.95160196	−0.09891034			
0.00319087	0.01687457	0.09818572	0.99501992			

J = 9, *E*+

0.69447226	−0.56799125	−0.43804268	−0.05666625	0.00133024		
0.68126117	0.32450059	0.64135560	0.13861977	−0.00548986		
0.22863305	0.72317427	−0.52542132	−0.38434102	0.03098901		
0.03623700	0.22066714	−0.34482934	0.89363094	−0.18030353		
0.00230368	0.02025583	−0.04250609	0.17685932	0.98310651		

J = 9, *O*+

0.89612668	−0.42328432	0.13289637	−0.01121945	0.00018158		
0.43215174	0.76424209	−0.47448985	0.06352862	−0.00154690		
0.10045894	0.47977536	0.82764693	−0.27309816	0.01189791		
0.01047508	0.08104231	0.26823948	0.95489182	−0.09773232		
0.00033591	0.00348815	0.01568651	0.09714549	0.99514040		

J = 9, *O*−

0.57356321	0.74944949	0.33017272	−0.01834726	0.00024218		
0.77228323	−0.36093436	−0.51866587	0.06548513	−0.00155610		
0.27081088	−0.54276597	0.74635150	−0.27365017	0.01189946		
0.03554701	−0.11586713	0.25436420	0.95449379	−0.09773263		
0.00132086	−0.00563592	0.01516515	0.09711980	0.99514032		

J = 9, *E*−

0.84684045	−0.52014704	0.11082398	−0.00513362			
0.51998911	0.76603240	−0.37662997	0.03091221			
0.11135734	0.37533346	0.90234247	−0.18028423			
0.00849272	0.04202631	0.17789318	0.98311529			

J = 10, *E*+

0.67553533	−0.54060295	−0.48934779	−0.10919527	0.00395112	−0.00003911	
0.68863870	0.22563415	0.65083444	0.22605017	−0.01348305	0.00020367	
0.25868044	0.75314508	−0.36819969	−0.47612012	0.05994414	−0.00149506	
0.04992685	0.29662809	−0.44017432	0.80332828	−0.26512963	0.01164517	
0.00452677	0.04024521	−0.08724958	0.25443718	0.95741106	−0.09681496	
0.00013038	0.00150814	−0.00404260	0.01458582	0.09633092	0.99523313	

J = 10, *O*+

0.88018408	−0.44199878	0.17155071	−0.02197611	0.00068305		
0.45788031	0.69572861	−0.54304095	0.10672377	−0.00488629		
0.12386025	0.55197943	0.74013796	−0.36234748	0.02962185		
0.01671378	0.12578565	0.35547658	0.90896347	−0.17697579		
0.00094036	0.00977050	0.03884685	0.17497658	0.98375697		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

J = 10, *O* −						
0.52887447	0.71290427	0.45870626	−0.04058221	0.00097302		
0.78200026	−0.20115280	−0.57899831	0.11291453	−0.00494078		
0.32498183	−0.64192379	0.59068972	−0.36404418	0.02963353		
0.05604053	−0.19728042	0.32260637	0.90694187	−0.17697872		
0.00369676	−0.01786977	0.03688234	0.17473314	0.98375557		
J = 10, *E* −						
0.80974226	−0.56317823	0.16431490	−0.01217874	0.00019568		
0.56695874	0.67887769	−0.46274102	0.05959354	−0.00149384		
0.15033429	0.46447059	0.83143805	−0.26503177	0.01164497		
0.01656992	0.07881071	0.25954443	0.95748518	−0.09681492		
0.00054466	0.00336167	0.01479281	0.09633577	0.99523314		
J = 11, *E*+						
0.65897029	−0.51796636	−0.51299443	−0.18495744	0.00982030	−0.00017776	
0.69293079	0.14648852	0.62108053	0.33443139	−0.02832036	0.00077616	
0.28529488	0.75607283	−0.19836520	−0.54535619	0.10088157	−0.00463606	
0.06445516	0.36630154	−0.53581613	0.67130143	−0.35086162	0.02864091	
0.00756913	0.06640141	−0.15640340	0.32352387	0.91432463	−0.17439701	
0.00038195	0.00445866	−0.01363774	0.03492430	0.17271660	0.98424756	
J = 11, *O*+						
0.86533162	−0.45469578	0.20740741	−0.03783692	0.00186418	−0.00002225	
0.47872091	0.62726982	−0.59255912	0.16155819	−0.01146594	0.00019033	
0.14642888	0.60715905	0.63815659	−0.44664102	0.05641217	−0.00145128	
0.02413136	0.17534253	0.43958244	0.84161190	−0.25884036	0.01144716	
0.00193530	0.01991902	0.07327960	0.25390621	0.95944242	−0.09608053	
0.00005059	0.00066141	0.00306671	0.01414798	0.09567987	0.99530666	
J = 11, *O* −						
0.49181323	−0.66064760	−0.56142734	−0.08034712	0.00286049	−0.00002948	
0.78267649	0.05645192	0.59368953	0.17783885	−0.01169340	0.00019138	
0.37302963	0.69089769	−0.42151168	−0.45016212	0.05647238	−0.00145144	
0.07955487	0.28549095	−0.38691043	0.83386346	−0.25885701	0.01144719	
0.00755812	0.03887334	−0.07036169	0.25247767	0.95942927	−0.09608053	
0.00022269	0.00144621	−0.00308782	0.01408913	0.09567900	0.99530666	
J = 11, *E* −						
0.77463239	0.59139510	0.22271307	−0.02438950	0.00073248		
0.60269262	−0.58400749	−0.53455858	0.09961209	−0.00462790		
0.18961556	−0.54143429	0.73973797	−0.35051732	0.02863916		
0.02738011	−0.12625339	0.34077119	0.91475201	−0.17439658		
0.00159143	−0.00980225	0.03617670	0.17276849	0.98424777		
J = 12, *E*+						
0.64428224	−0.49947744	0.51077046	0.27215552	0.02161585	−0.00058355	0.00000475
0.69506514	0.08266463	−0.55758640	−0.44301280	−0.05369684	0.00217338	−0.00002504
0.30878918	0.74254308	0.02464319	0.57317251	0.15501566	−0.01072922	0.00018425
0.07939325	0.42747547	0.60506376	−0.50447578	−0.43295198	0.05398191	−0.00141768
0.01140710	0.09743098	0.24582488	−0.37761271	0.85012696	−0.25399324	0.01128843
0.00082009	0.00951122	0.03271424	−0.06364008	0.24953956	0.96093823	−0.09547937
0.00001962	0.00028325	0.00119094	−0.00265916	0.01364873	0.09513635	0.99536637
J = 12, *O*+						
0.85150206	−0.46313476	−0.23870589	−0.05875308	0.00424264	−0.00009440	
0.49568402	0.56169724	0.62257083	0.22511103	−0.02288346	0.00069911	
0.16785057	0.64615641	−0.52550161	−0.51903818	0.09346632	−0.00442177	
0.03250153	0.22652975	−0.51473571	0.75198727	−0.34119385	0.02787428	
0.00337751	0.03412472	−0.11931804	0.33138640	0.91927809	−0.17233151	
0.00015451	0.00201817	−0.00913618	0.03421496	0.17098814	0.98463436	
J = 12, *O* −						
0.46047011	−0.60974737	0.62853240	−0.14516292	0.00708179	−0.00013180	
0.77759929	−0.06102181	−0.56838797	0.26074991	−0.02365975	0.00070557	
0.41484876	0.69570842	0.24927384	−0.52244756	0.09371146	−0.00442298	
0.10505408	0.36851997	0.45268870	0.72869365	−0.34125971	0.02787453	
0.01305012	0.06816370	0.12131390	0.32534834	0.91919347	−0.17233157	
0.00067794	0.00458468	0.01002823	0.03376067	0.17097781	0.98463433	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

$J = 12, E-$							
0.74191201	0.60728139	0.28087507	−0.04337134	0.00200314	−0.00002409		
0.62929122	−0.48660469	−0.58671694	0.15118645	−0.01069098	0.00018411		
0.22780625	−0.60090520	0.63037436	−0.43212318	0.05397191	−0.00141766		
0.04064390	−0.18139662	0.41821430	0.85199855	−0.25399049	0.01128843		
0.00339354	−0.02080685	0.06774751	0.24988582	0.96094048	−0.09547937		
0.00009059	−0.00068980	0.00276878	0.01366304	0.09513650	0.99536637		
$J = 13, E+$							
0.63111491	−0.48409884	0.49226351	0.35090837	0.04335540	−0.00159558	0.00002356	
0.69566381	0.03040967	−0.47799326	−0.52698315	−0.09440253	0.00514495	−0.00010697	
0.32950692	0.71917357	−0.13005060	0.55436281	0.22255748	−0.02123693	0.00066420	
0.09441136	0.47941767	0.62680074	−0.32492576	−0.50487823	0.08870792	−0.00426037	
0.01597822	0.13184180	0.33983826	−0.41912288	0.76093964	−0.33382028	0.02726348	
0.00148881	0.01698754	0.06244601	−0.10261032	0.32354253	0.92275820	−0.17064104	
0.00006229	0.00089729	0.00414716	−0.00802067	0.03264529	0.16950579	0.98494656	
$J = 13, O+$							
0.83860956	−0.46862253	−0.26468360	−0.08364924	0.00849992	−0.00028935	0.00000274	
0.50955157	0.50050014	0.63458339	0.29237909	−0.04088571	0.00188515	−0.00002352	
0.18796964	0.67121515	−0.40721594	−0.57295039	0.14120649	−0.01006792	0.00017894	
0.04159883	0.27680962	−0.57471381	0.64192495	−0.42020064	0.05207550	−0.00139059	
0.00529533	0.05214659	−0.17528877	0.40391864	0.86064061	−0.25009901	0.01115825	
0.00034496	0.00446311	−0.01997853	0.06340995	0.24671775	0.96211719	−0.09497819	
0.00000761	0.00012046	−0.00065529	0.00252942	0.01327986	0.09467910	0.99541583	
$J = 13, O-$							
0.43353260	−0.56605211	0.65921421	−0.23838430	0.01561637	−0.00042803	0.00000361	
0.76885231	−0.15273575	−0.50717547	0.35558741	−0.04318437	0.00191331	−0.00002364	
0.45075843	0.67151087	0.07210301	−0.56605202	0.14203782	−0.01007417	0.00017896	
0.13161573	0.44086488	0.51422937	0.58689862	−0.42038037	0.05207712	−0.00139059	
0.02018635	0.10422234	0.19484320	0.38484193	0.86022601	−0.25009945	0.01115825	
0.00150344	0.01028235	0.02478594	0.06128830	0.24664100	0.96211682	−0.09497819	
0.00003668	0.00030639	0.00087182	0.00246489	0.01327669	0.09467908	0.99541583	
$J = 13, E-$							
0.71163666	−0.61385495	−0.33437906	−0.07017727	0.00459841	−0.00010149		
0.64861382	0.39154313	0.61664835	0.21282299	−0.02109125	0.00066325		
0.26401753	0.64089849	−0.50770050	−0.50388971	0.08866271	−0.00426019		
0.05595384	0.24032126	−0.48777226	0.76747758	−0.33380824	0.02726344		
0.00609951	0.03696030	−0.11038801	0.32523951	0.92277414	−0.17064103		
0.00028644	0.00219638	−0.00826868	0.03277354	0.16950774	0.98494657		
$J = 14, E+$							
0.61920338	−0.47101040	0.46958551	−0.40961172	0.08018256	−0.00384958	0.00008407	−0.00000058
0.69515522	−0.01300979	−0.40059286	0.57600459	−0.15561279	0.01088922	−0.00033303	0.00000309
0.34778160	0.69009043	−0.25180350	−0.49710256	0.30144218	−0.03790388	0.00176347	−0.00002281
0.10926634	0.52224515	0.60438043	0.14718355	−0.55724652	0.13329155	−0.00958232	0.00017474
0.02119741	0.16817178	0.42424359	0.45474630	0.64292108	−0.41059195	0.05056641	−0.00136834
0.00242135	0.02700318	0.10125405	0.15657108	0.38867774	0.86737620	−0.24690914	0.01104955
0.00014420	0.00205732	0.00995040	0.01881217	0.05950650	0.24406540	0.96306461	−0.09455396
0.00000295	0.00005075	0.00029404	0.00063478	0.00232695	0.01296611	0.09428903	0.99545746
$J = 14, O+$							
0.82656642	−0.47205946	−0.28540954	0.11068589	0.01540448	−0.00073787	0.00001280	
0.52092871	0.44421823	0.63164304	−0.35751420	−0.06705010	0.00428773	−0.00009726	
0.20673292	0.68492705	−0.28919171	0.60379677	0.19886848	−0.01962069	0.00063385	
0.05121647	0.32440831	−0.61491295	−0.51562094	−0.49084125	0.08491783	−0.00413118	
0.00769275	0.07345529	−0.23763585	−0.46789793	0.78162968	−0.32784839	0.02676459	
0.00064957	0.00826938	−0.03664966	−0.10252896	0.32069592	0.92552178	−0.16923169	
0.00002504	0.00039457	−0.00216603	−0.00748787	0.03165983	0.16825553	0.98520395	
$J = 14, O-$							
0.41007523	−0.52949686	0.65449729	0.34943563	0.03159212	−0.00116335	0.00001764	
0.75779124	−0.22409405	−0.41503146	−0.44487803	−0.07312622	0.00438820	−0.00009805	
0.48128182	0.63030187	−0.10318074	0.56528750	0.20125791	−0.01964695	0.00063399	
0.15848240	0.50069367	0.55109800	−0.41481880	−0.49109680	0.08492587	−0.00413120	
0.02887899	0.14517393	0.28705939	−0.42318721	0.77999854	−0.32785051	0.02676460	
0.00280486	0.01907452	0.05111646	−0.09599579	0.32027429	0.92551889	−0.16923169	
0.00012018	0.00101372	0.00330629	−0.00714671	0.03162804	0.16825518	0.98520394	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

J = 14, *E*−

0.68369896	−0.61393318	−0.38024789	−0.10471730	0.00935443	−0.00031041	0.00000298	
0.66219362	0.30224891	0.62436714	0.28090424	−0.03742442	0.00175894	−0.00002280	
0.29774310	0.66238724	−0.37680739	−0.55928096	0.13312160	−0.00958133	0.00017474	
0.07285547	0.29926428	−0.54448995	0.66147501	−0.41055531	0.05056616	−0.00136834	
0.00979959	0.05822577	−0.16367004	0.39515646	0.86746241	−0.24690907	0.01104955	
0.00065877	0.00504151	−0.01832661	0.06023756	0.24408135	0.96306467	−0.09455396	
0.00001480	0.00013642	−0.00059090	0.00234964	0.01296677	0.09428904	0.99545746	

J = 15, *E*+

0.60834538	−0.45964414	0.44903089	−0.44543404	−0.13613009	−0.00845406	0.00024914	−0.00000310
0.69384110	−0.04954733	−0.33303628	0.58940363	0.23951693	0.02122923	−0.00087030	0.00001450
0.36391875	0.65791814	−0.34176260	−0.40777722	−0.38428696	−0.06269570	0.00396342	−0.00009265
0.12378570	0.55656272	0.55295542	−0.02774171	0.57699059	0.18741901	−0.01847543	0.00061023
0.02696943	0.20513133	0.49296925	0.48234456	−0.49435479	−0.48000141	0.08194263	−0.00402597
0.00363945	0.03949065	0.14663665	0.23013503	−0.43625033	0.79288101	−0.32294559	0.02634956
0.00028094	0.00394742	0.01935682	0.03893236	−0.09359258	0.31688150	0.92773028	−0.16803869
0.00001004	0.00017173	0.00102565	0.00242466	−0.00671188	0.03075167	0.16718317	0.98541976

J = 15, *O*+

0.81529008	−0.47404991	0.30153069	0.13783306	0.02563819	−0.00165566	0.00004312	−0.00000034
0.53028624	0.39284779	−0.61759065	−0.41534778	−0.10227219	0.00868576	−0.00029307	0.00000291
0.22415103	0.68970476	0.17685345	0.60981653	0.26404313	−0.03447898	0.00165577	−0.00002218
0.06117431	0.36822182	0.63378428	−0.37859964	−0.54726588	0.12675039	−0.00919534	0.00017128
0.01055467	0.09736938	0.30188324	−0.51961495	0.68168050	−0.40267889	0.04933763	−0.00134975
0.00109316	0.01362559	0.05950876	−0.15165659	0.38938879	0.87285276	−0.24424680	0.01095742
0.00005995	0.00093536	0.00515500	−0.01657387	0.05785791	0.24183403	0.96384377	−0.09419022
0.00000114	0.00002125	0.00013885	−0.00052341	0.00221292	0.01270543	0.09395263	0.99549299

J = 15, *O*−

0.38942509	−0.49864517	0.62421611	0.45441453	0.05962320	−0.00280125	0.00006228	−0.00000044
0.74531488	−0.27997993	−0.30800469	−0.50748157	−0.11675399	0.00899797	−0.00029667	0.00000293
0.50701375	0.57979696	−0.25555616	0.51716278	0.26982983	−0.03457402	0.00165648	−0.00002218
0.18506828	0.54779162	0.54438669	−0.23277116	−0.54678711	0.12678353	−0.00919549	0.00017128
0.03897115	0.18905686	0.38171148	−0.44152208	0.67638843	−0.40268600	0.04933767	−0.00134975
0.00466796	0.03123704	0.08968183	−0.13835281	0.38755568	0.87283570	−0.24424681	0.01095742
0.00028596	0.00240818	0.00866020	−0.01570459	0.05765167	0.24183088	0.96384376	−0.09419022
0.00000595	0.00005963	0.00025164	−0.00050843	0.00220652	0.01270530	0.09395263	0.99549299

J = 15, *E*−

0.65792521	−0.60972583	−0.41704120	0.14541100	0.01733413	−0.00079340	0.00001381	
0.67125605	0.22051362	0.61200263	−0.34995691	−0.06128973	0.00394561	−0.00009253	
0.32874610	0.66800934	−0.24362101	0.59251507	0.18687610	−0.01847085	0.00061021	
0.09090136	0.35526295	−0.58329210	−0.53686250	−0.47994122	0.08194125	−0.00402596	
0.01452773	0.08406391	−0.22530846	−0.45575732	0.79325635	−0.32294523	0.02634956	
0.00127237	0.00964155	−0.03436033	−0.09658310	0.31697806	0.92773078	−0.16803869	
0.00005013	0.00046334	−0.00200356	−0.00687832	0.03075892	0.16718324	0.98541976	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.300000							
J = 2, *E*+							
0.98454360	−0.17513965						
0.17513965	0.98454360						
J = 3, *E*+							
0.94145719	−0.33713254						
0.33713254	0.94145719						
J = 3, *O*+							
0.99615792	−0.08757515						
0.08757515	0.99615792						
J = 3, *O* −							
0.99283541	−0.11948994						
0.11948994	0.99283541						
J = 4, *E*+							
0.88504074	−0.46520288	0.01700468					
0.46455831	0.88029617	−0.09625089					
0.02980703	0.09308562	0.99521184					
J = 4, *O*+							
0.98713313	−0.15990054						
0.15990054	0.98713313						
J = 4, *O* −							
0.96636774	−0.25716413						
0.25716413	0.96636774						
J = 4, *E* −							
0.99572789	−0.09233615						
0.09233615	0.99572789						
J = 5, *E*+							
0.83355441	−0.55010800	0.05067772					
0.54870259	0.81377927	−0.19154313					
0.06412893	0.18746862	0.98017498					
J = 5, *O*+							
0.97364279	−0.22790063	0.00900117					
0.22778066	0.96959901	−0.08940767					
0.01164854	0.08910142	0.99595444					
J = 5, *O* −							
0.90847345	−0.41777604	0.01179669					
0.41707739	0.90441643	−0.08987419					
0.02687816	0.08656845	0.99588326					
J = 5, *E* −							
0.98454360	−0.17513965						
0.17513965	0.98454360						
J = 6, *E*+							
0.79186261	−0.60059209	0.11063458	−0.00165562				
0.60212734	0.73759087	−0.30546294	0.00973527				
0.10187076	0.30805950	0.94189911	−0.08687781				
0.00431599	0.01866001	0.08531381	0.99617003				
J = 6, *O*+							
0.95747069	−0.28757285	0.02348904					
0.28732088	0.94284492	−0.16879030					
0.02639298	0.16836065	0.98537206					
J = 6, *O* −							
0.82589483	−0.56277189	0.03443144					
0.55965188	0.81083769	−0.17126589					
0.06846532	0.16071724	0.98462301					

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

J = 6, *E*−

0.96506081	−0.26185689	0.00941279					
0.26166829	0.96124473	−0.08682323					
0.01368727	0.08625273	0.99617926					

J = 7, *E*+

0.75849486	−0.62091305	0.19778077	−0.00594120				
0.63645753	0.64069248	−0.42865191	0.02631530				
0.13962781	0.44852759	0.86775732	−0.16224765				
0.01055584	0.05294460	0.15536259	0.98638122				

J = 7, *O*+

0.94028806	−0.33733228	0.04543620	−0.00092236				
0.33742424	0.90622966	−0.25457938	0.00905648				
0.04472833	0.25452217	0.96228646	−0.08498594				
0.00161861	0.01316057	0.08443732	0.99634056				

J = 7, *O*−

0.74126538	−0.66688470	0.07608564	−0.00118661				
0.66005312	0.70366366	−0.26287760	0.00909339				
0.12177021	0.24481717	0.95812989	−0.08499225				
0.00524620	0.01366757	0.08422265	0.99633941				

J = 7, *E*−

0.93796632	−0.34584145	0.02475647					
0.34514245	0.92448136	−0.16189785					
0.03310409	0.16039924	0.98649694					

J = 8, *E*+

0.73122201	0.61381038	0.29716527	−0.01561975	0.00016564			
0.65889533	−0.52322046	−0.53771914	0.05435459	−0.00099859			
0.17551562	−0.58130831	0.75599411	−0.24427731	0.00874206			
0.01911072	−0.10741123	0.22558042	0.96447514	−0.08365876			
0.00060340	−0.00454432	0.01171818	0.08317395	0.99645560			

J = 8, *O*+

0.92318677	−0.37709173	0.07429004	−0.00300076				
0.37873792	0.85963076	−0.34211786	0.02340751				
0.06531585	0.34314839	0.92380220	−0.15675626				
0.00419668	0.03295397	0.15500279	0.98735534				

J = 8, *O*−

0.66841126	0.72964483	0.14431745	−0.00415692				
0.72173363	−0.58939985	−0.36214707	0.02361961				
0.17924986	−0.34469506	0.90800190	−0.15680356				
0.01401594	−0.03757064	0.15347483	0.98733858				

J = 8, *E*−

0.90560175	−0.42128205	0.04905070	−0.00096883				
0.41993563	0.87440955	−0.24286965	0.00873787				
0.05945377	0.24038068	0.96523764	−0.08365804				
0.00218957	0.01210405	0.08321451	0.99645574				

J = 9, *E*+

0.70835578	−0.58995629	0.38598746	−0.03459599	0.00067914			
0.67366397	0.40283309	−0.61181272	0.09786078	−0.00328995			
0.20863911	0.67730723	0.62262084	−0.33102184	0.02219151			
0.02959597	0.17534149	0.29691813	0.92563973	−0.15300377			
0.00165341	0.01368806	0.02969493	0.15113575	0.98797070			

J = 9, *O*+

0.90673634	−0.40755422	0.10806299	−0.00715130	0.00009491			
0.41255056	0.80431226	−0.42516363	0.04603097	−0.00093431			
0.08698642	0.42797667	0.86875476	−0.23337152	0.00849919			
0.00803478	0.06174291	0.22955937	0.96777743	−0.08265954			
0.00022500	0.00226418	0.01122288	0.08230789	0.99654116			

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

$J = 9, O-$

0.60907762	0.75496045	0.24278108	−0.01079332	0.00012098		
0.75671075	−0.46176503	−0.46039484	0.04687857	−0.00093765		
0.23597079	−0.45874714	0.82415462	−0.23359314	0.00849967		
0.02702449	−0.07967712	0.22302898	0.96765009	−0.08265963		
0.00086700	−0.00322234	0.01100746	0.08230099	0.99654114		

$J = 9, E-$

0.87072733	−0.48466087	0.08323413	−0.00313656			
0.48322682	0.81186245	−0.32692504	0.02216359			
0.09104656	0.32412416	0.92911022	−0.15299757			
0.00602339	0.03044239	0.15148036	0.98797302			

$J = 10, E+$

0.68875563	−0.56235541	−0.45249055	−0.06797262	0.00202290	−0.00001683	
0.68330558	0.29639956	0.64750820	0.16096184	−0.00807428	0.00010319	
0.23868805	0.73082665	−0.48196059	−0.41806199	0.04310189	−0.00090177	
0.04154599	0.24692389	−0.37438422	0.86363419	−0.22628694	0.00831829	
0.00333162	0.02870281	−0.05942004	0.22072670	0.96964392	−0.08188219	
0.00008382	0.00091837	−0.00226795	0.01053061	0.08159549	0.99660689	

$J = 10, O+$

0.89117622	−0.42996927	0.14396684	−0.01431094	0.00036044		
0.44020611	0.74306235	−0.49792892	0.07832583	−0.00296282		
0.10886399	0.50320881	0.79782819	−0.31296824	0.02122692		
0.01310532	0.09860355	0.30664583	0.93462522	−0.15016530		
0.00064765	0.00655768	0.02790790	0.14895246	0.98842850		

$J = 10, O-$

0.56078975	0.74433105	0.36182449	−0.02385270	0.00048544		
0.77454257	−0.31814419	−0.54063832	0.08105176	−0.00298263		
0.28925443	−0.56939668	0.70231662	−0.31371950	0.02123051		
0.04386594	−0.14292010	0.28779306	0.93395660	−0.15016609		
0.00251319	−0.01080848	0.02682851	0.14888523	0.98842819		

$J = 10, E-$

0.83555379	−0.53453568	0.12674790	−0.00751202	0.00010029		
0.53466258	0.73810763	−0.40924991	0.04297383	−0.00090140		
0.12585276	0.40754490	0.87567588	−0.22625385	0.00831824		
0.01211426	0.05806473	0.22255117	0.96966387	−0.08188218		
0.00034439	0.00209044	0.01059323	0.08159658	0.99660689		

$J = 11, E+$

0.67165405	−0.53756965	−0.49531702	−0.12056239	0.00504558	−0.00007667	
0.68941502	0.20857907	0.64851907	0.24563676	−0.01694571	0.00039331	
0.26567638	0.75194733	−0.33411098	−0.49702336	0.07294540	−0.00280374	
0.05450970	0.31566132	−0.45943938	0.77108307	−0.30217858	0.02052016	
0.00569676	0.04938295	−0.10635440	0.28787620	0.93885715	−0.14795995	
0.00025240	0.00284623	−0.00762380	0.02555888	0.14697517	0.98877639	

$J = 11, O+$

0.87656988	−0.44591443	0.17928413	−0.02533340	0.00099547	−0.00000982	
0.46288315	0.67933580	−0.55641307	0.12082070	−0.00699334	0.00009709	
0.13034723	0.56522306	0.71290122	−0.39198617	0.04062540	−0.00087559	
0.01929167	0.14140252	0.38368144	0.88520007	−0.22085220	0.00817687	
0.00136672	0.01382971	0.05309078	0.21777399	0.97106105	−0.08125988	
0.00003121	0.00039346	0.00186305	0.01013680	0.08102114	0.99665902	

$J = 11, O-$

0.52084417	0.70620878	−0.47722827	−0.04734612	0.00142595	−0.00001244	
0.78136139	−0.17158259	0.58611735	0.12825819	−0.00707610	0.00009741	
0.33777581	−0.64988283	−0.55385952	−0.39388671	0.04064395	−0.00087563	
0.06383679	−0.22099992	−0.34558141	0.88250367	−0.22085695	0.00817687	
0.00529896	−0.02528418	−0.05029362	0.21736200	0.97105807	−0.08125989	
0.00013519	−0.00079371	−0.00181515	0.01012253	0.08102097	0.99665902	

TABLE I.–TRANSFORMATION COEFFICIENTS–CONTINUED

KAPPA = −0.300000 −*CONTINUED*

$J = 11, E-$						
0.80146570	−0.57095252	0.17729442	−0.01524801	0.00037741		
0.57530178	0.65531730	−0.48407284	0.07247572	−0.00280123		
0.16203802	0.48524095	0.80413253	−0.30205086	0.02051971		
0.02057165	0.09526016	0.29484804	0.93897541	−0.14795985		
0.00103954	0.00625911	0.02599394	0.14698715	0.98877643		
$J = 12, E+$						
0.65652011	−0.51687408	−0.51453966	−0.19221570	0.01115866	−0.00025243	0.00000173
0.69303227	0.13715570	0.61648788	0.34612855	−0.03211056	0.00110172	−0.00001072
0.28978244	0.75180978	−0.17603054	−0.55409878	0.11293168	−0.00651247	0.00009387
0.06809352	0.37835712	−0.54184149	0.64361666	−0.37797386	0.03885343	−0.00085528
0.00875853	0.07495030	−0.17392191	0.34606156	0.89291756	−0.21663683	0.00806344
0.00055570	0.00631408	−0.01906583	0.04710673	0.21407728	0.97212528	−0.08075046
0.00001162	0.00016144	−0.00057849	0.00162533	0.00978489	0.08054595	0.99670136
$J = 12, O+$						
0.86289668	−0.45697769	0.21193812	−0.04071415	0.00229972	−0.00004198	
0.48154752	0.61617723	−0.59868158	0.17268376	−0.01407708	0.00035785	
0.15105204	0.61295872	0.61645922	−0.46565856	0.06780756	−0.00267551	
0.02643132	0.18755899	0.45706642	0.81767392	−0.29363898	0.01997027	
0.00243981	0.02446825	0.08774490	0.28720732	0.94225012	−0.14619453	
0.00009797	0.00124546	0.00563425	0.02461915	0.14539441	0.98905058	
$J = 12, O-$						
0.48718017	−0.65721762	−0.56851112	−0.08662059	0.00352956	−0.00005560	
0.78100485	0.04057683	0.59329731	0.19020230	−0.01435976	0.00035983	
0.38102557	0.68769743	−0.39660052	−0.46902494	0.06788392	−0.00267583	
0.08612679	0.30207540	−0.40047571	0.80889870	−0.29365951	0.01997033	
0.00940339	0.04726458	−0.08419253	0.28533867	0.94223047	−0.14619455	
0.00042501	0.00269581	−0.00567938	0.02450097	0.14539240	0.98905058	
$J = 12, E-$						
0.76917081	0.59509261	0.23125019	−0.02762811	0.00103964	−0.00001043	
0.60672962	−0.56686822	−0.54595870	0.11147381	−0.00650073	0.00009383	
0.19816948	−0.55182647	0.71562662	−0.37760406	0.03885083	−0.00085528	
0.03129008	−0.14079917	0.36597142	0.89345688	−0.21663617	0.00806344	
0.00228343	−0.01371829	0.04891946	0.21415988	0.97212571	−0.08075046	
0.00005284	−0.00038628	0.00167049	0.00978776	0.08054597	0.99670136	
$J = 13, E+$						
0.64297379	−0.49970043	0.51193652	0.27257287	0.02255521	−0.00069268	0.00000858
0.69485789	0.07862759	−0.55649378	−0.44508893	−0.05651470	0.00260942	−0.00004581
0.31125582	0.73829731	0.01627669	0.57511564	0.16384770	−0.01295264	0.00033925
0.08197546	0.43360104	0.60021182	−0.48837065	−0.44985931	0.06426507	−0.00257758
0.01248955	0.10434574	0.25725508	−0.39067083	0.82908400	−0.28703718	0.01953162
0.00103216	0.01166530	0.03913563	−0.07542606	0.28132259	0.94474723	−0.14474957
0.00003789	0.00053127	0.00217528	−0.00481577	0.02356284	0.14407383	0.98927211
$J = 13, O+$						
0.85009999	−0.46450583	−0.24063262	−0.06031762	0.00469559	−0.00012992	0.00000102
0.49696938	0.55566610	0.62454233	0.23141808	−0.02546048	0.00096958	−0.00001013
0.17075283	0.64723031	−0.51162874	−0.52859781	0.10353429	−0.00611725	0.00009118
0.03434562	0.23467213	−0.52225634	0.73176033	−0.36622298	0.03747714	−0.00083895
0.00390422	0.03851381	−0.13178766	0.35470017	0.89987715	−0.21325765	0.00797040
0.00022428	0.00285045	−0.01261167	0.04587033	0.21123866	0.97296181	−0.08032575
0.00000432	0.00006617	−0.00034870	0.00152696	0.00950961	0.08014721	0.99673644
$J = 13, O-$						
0.45833813	−0.60998954	0.62931492	−0.14744818	0.00778743	−0.00018056	0.00000129
0.77592801	−0.06684801	−0.56706251	0.26686053	−0.02629982	0.00097825	−0.00001016
0.41898835	0.68930535	0.23722712	−0.53124233	0.10379946	−0.00611887	0.00009119
0.10994314	0.37747796	0.45630239	0.70826378	−0.36628974	0.03747750	−0.00083895
0.01490654	0.07597236	0.13313533	0.34805051	0.89977743	−0.21325774	0.00797040
0.00097058	0.00638751	0.01375079	0.04524448	0.21122338	0.97296175	−0.08032575
0.00002055	0.00016201	0.00039931	0.00151066	0.00950908	0.08014720	0.99673644

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

J = 13, *E* −

0.73894460	0.60896514	0.28463055	−0.04584721	0.00240971	−0.00004413		
0.63056220	−0.47682393	−0.59100483	0.15992755	−0.01290789	0.00033900		
0.23323067	−0.60351249	0.61282543	−0.44909465	0.06425321	−0.00257754		
0.04402083	−0.19218612	0.43319669	0.83108199	−0.28703402	0.01953161		
0.00421636	−0.02521780	0.08036899	0.28174715	0.94475035	−0.14474957		
0.00017238	−0.00127732	0.00501868	0.02358968	0.14407415	0.98927212		

J = 14, *E* +

0.63073424	−0.48522732	0.49523791	0.34593074	0.04239444	−0.00167833	0.00003072	−0.00000018
0.69537667	0.03003901	−0.48270665	−0.52316419	−0.09387169	0.00552661	−0.00014276	0.00000112
0.33036593	0.71650050	−0.12697372	0.55666181	0.22571864	−0.02325846	0.00090377	−0.00000982
0.09590372	0.48094183	0.61880977	−0.32285188	−0.51265248	0.09742749	−0.00582053	0.00008904
0.01683706	0.13640908	0.34350110	−0.42410267	0.74454310	−0.35718905	0.03638480	−0.00082553
0.00171404	0.01910664	0.06827139	−0.11200009	0.34553310	0.90480137	−0.21049004	0.00789272
0.00008995	0.00126062	0.00564219	−0.01087420	0.04347169	0.20880103	0.97363549	−0.07996623
0.00000161	0.00002679	0.00014064	−0.00030181	0.00141627	0.00928193	0.07980796	0.99676598

J = 14, *O* +

0.83811080	−0.46951762	−0.26478803	−0.08327466	0.00871796	−0.00033516	0.00000480	
0.50975729	0.49892956	0.63521984	0.29309317	−0.04247387	0.00221969	−0.00004204	
0.18933391	0.66979227	−0.40240567	−0.57580474	0.14800572	−0.01198994	0.00032388	
0.04285893	0.28083055	−0.57456744	0.62909001	−0.43546100	0.06150457	−0.00249940	
0.00577781	0.05572479	−0.18372527	0.41744644	0.84208582	−0.28172453	0.01917335	
0.00043217	0.00545099	−0.02384545	0.07466126	0.27741776	0.94671084	−0.14354497	
0.00001461	0.00022460	−0.00119059	0.00453276	0.02277836	0.14296245	0.98945483	

J = 14, *O* −

0.43328463	−0.56893835	0.65906270	−0.23229435	0.01578050	−0.00049100	0.00000629	
0.76774443	−0.15216737	−0.51051574	0.35324646	−0.04471158	0.00225067	−0.00004224	
0.45193147	0.66658331	0.07423830	−0.56888199	0.14880380	−0.01199675	0.00032391	
0.13458130	0.44333616	0.50824720	0.57747144	−0.43561814	0.06150635	−0.00249941	
0.02180079	0.11009184	0.20084686	0.39863922	0.84167407	−0.28172500	0.01917335	
0.00185993	0.01238729	0.02901070	0.07227392	0.27733063	0.94671037	−0.14354497	
0.00006941	0.00056255	0.00155034	0.00442192	0.02277287	0.14296240	0.98945483	

J = 14, *E* −

0.71082307	−0.61493293	−0.33401976	−0.07066952	0.00496471	−0.00013579	0.00000109	
0.64823935	0.38893153	0.61732308	0.21655323	−0.02311097	0.00090259	−0.00000981	
0.26655796	0.63890348	−0.49921994	−0.51187060	0.09738195	−0.00582032	0.00008904	
0.05843628	0.24636178	−0.49335385	0.75072807	−0.35717767	0.03638475	−0.00082553	
0.00694209	0.04109376	−0.12082024	0.34727550	0.90481875	−0.21049003	0.00789272	
0.00040805	0.00304475	−0.01126168	0.04363573	0.20880370	0.97363550	−0.07996623	
0.00000796	0.00007034	−0.00030434	0.00142056	0.00928202	0.07980796	0.99676598	

J = 15, *E* +

0.61958814	−0.47279018	0.47418306	−0.40266962	0.07465819	−0.00370446	0.00009136	−0.00000095
0.69493174	−0.01081497	−0.40990531	0.57171267	−0.14818484	0.01078395	−0.00037351	0.00000525
0.34737532	0.68970660	−0.24229444	−0.50521663	0.29694878	−0.03875576	0.00204000	−0.00003997
0.10968842	0.52050221	0.59979593	0.15900273	−0.55916530	0.13862051	−0.01128256	0.00031179
0.02173307	0.17001364	0.42133167	0.45192188	0.63656006	−0.42442333	0.05932507	−0.00243568
0.00262587	0.02870277	0.10492244	0.16052460	0.40190970	0.85063090	−0.27736577	0.01887526
0.00017937	0.00249556	0.01170204	0.02175610	0.06975507	0.27377932	0.94828746	−0.14252534
0.00000562	0.00009387	0.00052500	0.00110997	0.00413622	0.02211585	0.14201424	0.98960811

J = 15, *O* +

0.82685885	−0.47273627	−0.28443099	0.10816414	0.01496062	−0.00076265	0.00001631	−0.00000011
0.52039197	0.44640806	0.63305638	−0.35317610	−0.06631526	0.00453577	−0.00012720	0.00000106
0.20675318	0.68265478	−0.29336058	0.60373223	0.20057665	−0.02123269	0.00084921	−0.00000955
0.05180956	0.32467078	−0.61048814	−0.51296305	−0.49746360	0.09260971	−0.00558523	0.00008727
0.00806153	0.07566919	−0.24076683	−0.47267424	0.76756647	−0.34985809	0.03549570	−0.00081430
0.00074289	0.00924536	−0.04006378	−0.11144822	0.34170313	0.90869490	−0.20818128	0.00782687
0.00003588	0.00055026	−0.00294032	−0.01008712	0.04190865	0.20674061	0.97418987	−0.07965796
0.00000060	0.00001078	−0.00006714	−0.00026607	0.00133862	0.00909229	0.07951594	0.99679119

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

J = 15, *O* −

0.41127200	−0.53412694	0.65831572	0.33359902	0.02990741	−0.00118367	0.00002222	−0.00000013
0.75753796	−0.21967472	−0.42723673	−0.43609202	−0.07176559	0.00463215	−0.00012813	0.00000106
0.48026546	0.62903062	−0.08757018	0.56961969	0.20267669	−0.02125734	0.00084937	−0.00000955
0.15945530	0.49837802	0.54091307	−0.42110564	−0.49766183	0.09261719	−0.00558526	0.00008727
0.03000957	0.14814086	0.28436090	−0.43088681	0.76613743	−0.34985994	0.03549571	−0.00081430
0.00317228	0.02106191	0.05434734	−0.10479632	0.34130419	0.90869201	−0.20818128	0.00782687
0.00016995	0.00139295	0.00435055	−0.00964968	0.04187131	0.20674017	0.97418986	−0.07965796
0.00000307	0.00002951	0.00010558	−0.00025745	0.00133765	0.00909228	0.07951594	0.99679119

J = 15, *E* −

0.68472293	−0.61522052	−0.37703865	−0.10204142	0.00935467	−0.00034975	0.00000507	
0.66096901	0.30589278	0.62488140	0.27856808	−0.03832095	0.00203537	−0.00003994	
0.29775902	0.65870441	−0.37881638	−0.56093239	0.13846915	−0.01128156	0.00031179	
0.07417987	0.30042260	−0.54272854	0.65272830	−0.42439339	0.05932481	−0.00243568	
0.01052343	0.06125020	−0.16983353	0.40779783	0.85070980	−0.27736571	0.01887526	
0.00080939	0.00603650	−0.02155090	0.07050903	0.27379595	0.94828753	−0.14252534	
0.00002779	0.00024852	−0.00105378	0.00417176	0.02211689	0.14201425	0.98960811	

KAPPA = −0.400000

J = 2, *E* +

0.98902091	−0.14777565
0.14777565	0.98902091

J = 3, *E* +

0.95540384	−0.29530240
0.29530240	0.95540384

J = 3, *O* +

0.99719759	−0.07481283
0.07481283	0.99719759

J = 3, *O* −

0.99527770	−0.09706852
0.09706852	0.99527770

J = 4, *E* +

0.90542706	−0.42434082	0.01169195
0.42387096	0.90223732	−0.07938022
0.02313535	0.07682888	0.99677584

J = 4, *O* +

0.99025885	−0.13923867
0.13923867	0.99025885

J = 4, *O* −

0.97779538	−0.20956190
0.20956190	0.97779538

J = 4, *E* −

0.99702180	−0.07712027
0.07712027	0.99702180

J = 5, *E* +

0.85514680	−0.51720533	0.03496566
0.51576866	0.84212222	−0.15752095
0.05202532	0.15273773	0.98689642

J = 5, *O* +

0.97926831	−0.20246777	0.00635506
0.20237477	0.97648698	−0.07428077
0.00883383	0.07402691	0.99721712

J = 5, *O* −

0.93695781	−0.34935211	0.00794792
0.34894696	0.93417621	−0.07450393
0.01860335	0.07258044	0.99718905

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

$J = 5, E-$							
0.98902091	−0.14777565						
0.14777565	0.98902091						
$J = 6, E+$							
0.81235467	−0.57801452	0.07731890	−0.00094370				
0.57686391	0.77705223	−0.25174092	0.00666148				
0.08543050	0.24887539	0.96206348	−0.07208691				
0.00309038	0.01225102	0.07128920	0.99737566				
$J = 6, O+$							
0.96536766	−0.26034952	0.01683452					
0.26007805	0.95524888	−0.14092190					
0.02060779	0.14041973	0.98987758					
$J = 6, O-$							
0.87030390	−0.49197400	0.02308057					
0.48996274	0.86007775	−0.14213647					
0.05007636	0.13501054	0.98957795					
$J = 6, E-$							
0.97449543	−0.22431292	0.00650919					
0.22419154	0.97187692	−0.07206527					
0.00983904	0.07168658	0.99737868					
$J = 7, E+$							
0.77748363	−0.61240960	0.14304606	−0.00339149				
0.61728057	0.69961642	−0.35941408	0.01797456				
0.12009462	0.36641187	0.91274689	−0.13495459				
0.00782168	0.03512394	0.13134862	0.99068293				
$J = 7, O+$							
0.94994228	−0.31065296	0.03322823	−0.00053877				
0.31035786	0.92608825	−0.21447536	0.00623516				
0.03586693	0.21394204	0.97363649	−0.07052908				
0.00110911	0.00917047	0.07020108	0.99749009				
$J = 7, O-$							
0.79146376	−0.60909787	0.05083757	−0.00066361				
0.60389303	0.76643653	−0.21874458	0.00624961				
0.09426931	0.20369160	0.97193024	−0.07053116				
0.00340861	0.00919555	0.07012820	0.99748978				
$J = 7, E-$							
0.95319351	−0.30186918	0.01723761					
0.30137281	0.94392796	−0.13481257					
0.02442469	0.13369742	0.99072117					
$J = 8, E+$							
0.74889107	0.62202905	0.22839042	−0.00893519	0.00007828			
0.64438429	−0.60326292	−0.46847656	0.03704223	−0.00056672			
0.15400796	−0.49356447	0.83126270	−0.20406329	0.00601276			
0.01457541	−0.07443842	0.19314109	0.97576801	−0.06942473			
0.00039340	−0.00259707	0.00814702	0.06915924	0.99756891			
$J = 8, O+$							
0.93408690	−0.35266363	0.05573946	−0.00177104				
0.35298433	0.88866088	−0.29227106	0.01617216				
0.05361831	0.29217524	0.94590776	−0.13045003				
0.00296603	0.02332051	0.12934157	0.99132140				
$J = 8, O-$							
0.71677327	0.69055597	0.09676344	−0.00231790				
0.68195141	−0.66526147	−0.30348842	0.01625524				
0.14521057	−0.28275441	0.93911792	−0.13046593				
0.00960456	−0.02468958	0.12879884	0.99131682				

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

$J = 8, E-$						
0.92626218	−0.37529465	0.03452517	−0.00055506			
0.37416461	0.90474634	−0.20346690	0.00601140			
0.04513593	0.20129160	0.97602494	−0.06942454			
0.00140183	0.00834777	0.06917052	0.99756894			
$J = 9, E+$						
0.72496959	0.61048242	0.31833246	−0.01986579	0.00032151		
0.66276971	−0.49308894	−0.55961316	0.06655248	−0.00186617		
0.18606116	−0.60611739	0.72125121	−0.27850610	0.01529700		
0.02313903	−0.12932917	0.25471075	0.94955584	−0.12729768		
0.00111230	−0.00837715	0.02041294	0.12630986	0.99174478		
$J = 9, O+$						
0.91848467	−0.38650713	0.08354554	−0.00427763	0.00004591		
0.38864056	0.84321723	−0.37002640	0.03199047	−0.00053316		
0.07287195	0.37094463	0.90496523	−0.19517561	0.00584658		
0.00583875	0.04466715	0.19255835	0.97784805	−0.06859472		
0.00013982	0.00136573	0.00773477	0.06839586	0.99762733		
$J = 9, O-$						
0.65313054	0.73876360	0.16617103	−0.00600246	0.00005613		
0.73069614	−0.55735273	−0.39293256	0.03232331	−0.00053424		
0.19781346	−0.37535645	0.88420551	−0.19525316	0.00584671		
0.01931840	−0.05187385	0.19003438	0.97781266	−0.06859474		
0.00052353	−0.00170695	0.00766461	0.06839428	0.99762733		
$J = 9, E-$						
0.89568628	−0.44068019	0.05952976	−0.00180604			
0.43894664	0.85473033	−0.27663728	0.01528794			
0.07110554	0.27347907	0.95076230	−0.12729595			
0.00399145	0.02112420	0.12640838	0.99174531			
$J = 10, E+$						
0.70453331	−0.58729731	−0.39643771	−0.03938147	0.00095978	−0.00000659	
0.67527042	0.38422413	0.61996524	0.10956198	−0.00457732	0.00004856	
0.21572174	0.68544233	−0.59662389	−0.35606738	0.02980986	−0.00051415	
0.03318865	0.19305567	−0.31769918	0.90824019	−0.18910916	0.00572202	
0.00230508	0.01875517	−0.03982324	0.18630059	0.97914866	−0.06794874	
0.00004960	0.00050077	−0.00123039	0.00729024	0.06778735	0.99767227	
$J = 10, O+$						
0.90349365	−0.41281177	0.11493376	−0.00871044	0.00017577		
0.41831871	0.79105849	−0.44296098	0.05494197	−0.00169560		
0.09280735	0.44545180	0.85036839	−0.26385381	0.01463724		
0.00976281	0.07327314	0.25899288	0.95490950	−0.12492509		
0.00041497	0.00407976	0.01928960	0.12423577	0.99205674		
$J = 10, O-$						
0.60053901	0.75599256	0.26010163	−0.01323748	0.00022481		
0.75915007	−0.43731210	−0.47886121	0.05602097	−0.00170204		
0.24897405	−0.47762858	0.79993827	−0.26413511	0.01463820		
0.03245754	−0.09523601	0.25056305	0.95471904	−0.12492527		
0.00157988	−0.00586664	0.01886836	0.12422004	0.99205668		
$J = 10, E-$						
0.86349588	−0.49575157	0.09266205	−0.00435675	0.00004762		
0.49408746	0.79463948	−0.35148152	0.02976822	−0.00051404		
0.10091370	0.34801642	0.91263881	−0.18909958	0.00572201		
0.00829609	0.04076241	0.18684620	0.97915324	−0.06794873		
0.00019961	0.00121331	0.00730575	0.06778755	0.99767227		
$J = 11, E+$						
0.68675764	−0.56195170	−0.45548523	−0.07142606	0.00240047	−0.00003009	
0.68368257	0.28816135	0.64874423	0.16905595	−0.00959980	0.00018511	
0.24281049	0.73025031	−0.46669169	−0.43290297	0.05068399	−0.00160191	
0.04437111	0.25835468	−0.38600571	0.84700758	−0.25428654	0.01414846	
0.00404218	0.03402887	−0.06961631	0.24733038	0.95794484	−0.12307983	
0.00015399	0.00164517	−0.00401934	0.01786829	0.12252862	0.99229460	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

J = 11, *O*+

0.88926780	−0.43257374	0.14776273	−0.01576952	0.00049027	−0.00000393	
0.44301305	0.73444613	−0.50688061	0.08593138	−0.00401949	0.00004592	
0.11280748	0.51155681	0.78288684	−0.33448673	0.02811904	−0.00049928	
0.01469283	0.10816286	0.32705468	0.92034881	−0.18451718	0.00562474	
0.00090048	0.00890033	0.03688529	0.18274286	0.98011095	−0.06743159	
0.00001759	0.00021224	0.00106482	0.00699093	0.06729677	0.99770792	

J = 11, *O*−

0.55694547	0.74355467	0.36911847	−0.02625482	0.00065947	−0.00000479	
0.77410909	−0.30482549	−0.54764136	0.08893318	−0.00404639	0.00004601	
0.29696817	−0.57422348	0.68473953	−0.33528774	0.02812404	−0.00049929	
0.04862986	−0.15576437	0.30613349	0.91955219	−0.18451832	0.00562474	
0.00344981	−0.01458031	0.03540462	0.18264347	0.98011039	−0.06743159	
0.00007459	−0.00037702	0.00103669	0.00698809	0.06729675	0.99770792	

J = 11, *E*−

0.83126330	−0.53959639	0.13325621	−0.00893332	0.00017994		
0.53952763	0.72557772	−0.42413563	0.05053035	−0.00160124		
0.13304121	0.42156900	0.86008013	−0.25424713	0.01414836		
0.01452262	0.06810694	0.24958055	0.95797257	−0.12307981		
0.00062427	0.00370555	0.01798507	0.12253093	0.99229461		

J = 12, *E*+

0.67106729	−0.53906074	−0.49473952	−0.11952671	0.00532687	−0.00009931	0.00000056
0.68918437	0.20774475	0.64877459	0.24622736	−0.01817614	0.00051864	−0.00000418
0.26735306	0.74865782	−0.33088370	−0.50229766	0.07894878	−0.00373181	0.00004436
0.05635068	0.32070214	−0.46017770	0.76042398	−0.32131542	0.02688419	−0.00048770
0.00635758	0.05387556	−0.11391227	0.30564638	0.92622282	−0.18094698	0.00554669
0.00034862	0.00382721	−0.01003670	0.03342587	0.17952857	0.98083974	−0.06700822
0.00000624	0.00008217	−0.00024803	0.00094085	0.00674741	0.06689265	0.99773689

J = 12, *O*+

0.87584806	−0.44699931	0.18000171	−0.02607414	0.00114645	−0.00001694	
0.46360100	0.67599223	−0.55889068	0.12523388	−0.00814116	0.00016970	
0.13243872	0.56671180	0.70404961	−0.40420591	0.04719238	−0.00152907	
0.02053163	0.14764106	0.39466199	0.87226764	−0.24694547	0.01376887	
0.00164891	0.01629405	0.06153141	0.24313139	0.96023202	−0.12160293	
0.00005691	0.00069805	0.00324720	0.01704373	0.12115155	0.99248213	

J = 12, *O*−

0.52030059	0.70854019	−0.47427344	−0.04816787	0.00163083	−0.00002137	
0.78006414	−0.17081111	0.58708973	0.13259465	−0.00823305	0.00017024	
0.34091110	−0.64505318	−0.54828385	−0.40600423	0.04721304	−0.00152914	
0.06728233	−0.22768071	−0.35549201	0.86953193	−0.24695070	0.01376888	
0.00631549	−0.02933164	−0.05822909	0.24265954	0.96022821	−0.12160294	
0.00024303	−0.00138447	−0.00315833	0.01701914	0.12115124	0.99248213	

J = 12, *E*−

0.79999113	−0.57230858	0.17946429	−0.01641348	0.00049842	−0.00000410	
0.57610151	0.64931158	−0.49023554	0.07846481	−0.00372865	0.00004436	
0.16614325	0.49004804	0.79269451	−0.32118810	0.02688361	−0.00048770	
0.02270794	0.10315336	0.31295530	0.92635316	−0.18094685	0.00554669	
0.00141704	0.00834413	0.03398790	0.17954486	0.98083981	−0.06700822	
0.00002782	0.00019525	0.00095284	0.00674787	0.06689265	0.99773689	

J = 13, *E*+

0.65705131	−0.51961546	−0.51423461	−0.18365475	0.01081611	−0.00027326	0.00000279
0.69257349	0.14124019	0.62125491	0.33676680	−0.03197067	0.00122886	−0.00001788
0.28948500	0.74913690	−0.18687921	−0.55378924	0.11545755	−0.00745112	0.00016066
0.06883247	0.37783636	−0.53248581	0.64528879	−0.38802507	0.04469217	−0.00147302
0.00925383	0.07765526	−0.17515417	0.35613512	0.88204011	−0.24123999	0.01346589
0.00066435	0.00735971	−0.02145215	0.05421134	0.23812988	0.96194893	−0.12039411
0.00002096	0.00028263	−0.00097306	0.00279769	0.01632149	0.12001260	0.99263373

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

J = 13, *O*+

0.86321813	−0.45729706	0.21006972	−0.03998652	0.00237632	−0.00005284	0.00000034	
0.48081551	0.61799516	−0.59752094	0.17218109	−0.01485320	0.00046145	−0.00000397	
0.15141421	0.61012067	0.61579859	−0.46939591	0.07262081	−0.00350716	0.00004310	
0.02715384	0.18976082	0.45909901	0.80940222	−0.31092942	0.02592900	−0.00047838	
0.00270051	0.02649968	0.09383579	0.30376117	0.93084328	−0.17808764	0.00548267	
0.00013397	0.00165807	0.00737951	0.03191651	0.17694829	0.98141250	−0.06665524	
0.00000221	0.00003239	0.00016843	0.00087207	0.00655377	0.06655426	0.99776089	

J = 13, *O*−

0.48901379	−0.66376502	−0.55980225	−0.08300603	0.00359679	−0.00006935	0.00000041	
0.77994221	0.04949131	0.59462606	0.18823281	−0.01512615	0.00046379	−0.00000398	
0.38044695	0.68071395	−0.40428154	−0.47238590	0.07269343	−0.00350753	0.00004310	
0.08780342	0.30174297	−0.40191997	0.80146160	−0.31094829	0.02592907	−0.00047838	
0.01029565	0.05033798	−0.08946355	0.30195822	0.93082346	−0.17808765	0.00548267	
0.00057345	0.00351977	−0.00736901	0.03177673	0.17694581	0.98141249	−0.06665524	
0.00001031	0.00007427	−0.00017332	0.00086904	0.00655370	0.06655426	0.99776089	

J = 13, *E*−

0.77021862	0.59477465	0.22854912	−0.02775499	0.00116371	−0.00001743		
0.60499594	−0.56841876	−0.54571254	0.11411614	−0.00743907	0.00016061		
0.19915605	−0.54945516	0.71142560	−0.38769857	0.04468951	−0.00147301		
0.03275324	−0.14488246	0.37506693	0.88254369	−0.24123933	0.01346589		
0.00269682	−0.01583958	0.05615424	0.23821647	0.96194943	−0.12039411		
0.00009394	−0.00066864	0.00287074	0.01632599	0.12001264	0.99263373		

J = 14, *E*+

0.64440770	−0.50323727	0.51497699	0.25665140	0.02047648	−0.00066434	0.00001002	−0.00000005
0.69440469	0.08594279	−0.56945882	−0.42813677	−0.05314830	0.00260401	−0.00005576	0.00000036
0.30939340	0.73788519	0.04027435	0.57632429	0.16077462	−0.01344630	0.00042917	−0.00000385
0.08157071	0.42872105	0.58717893	−0.50616735	−0.45154707	0.06822104	−0.00333654	0.00004209
0.01270877	0.10456330	0.24998389	−0.39496403	0.82344151	−0.30286432	0.02517008	−0.00047073
0.00112958	0.01248309	0.04018572	−0.08024032	0.29670835	0.93425768	−0.17574631	0.00542921
0.00005116	0.00069741	0.00272095	−0.00622688	0.03033665	0.17479348	0.98187427	−0.06635644
0.00000078	0.00001249	0.00005585	−0.00014010	0.00081120	0.00639509	0.06626688	0.99778110

J = 14, *O*+

0.85133536	−0.46451494	−0.23692698	−0.05744001	0.00449532	−0.00013762	0.00000160	
0.49525421	0.56209097	0.62252348	0.22496989	−0.02507872	0.00106149	−0.00001652	
0.16955724	0.64230377	−0.52050454	−0.52603360	0.10493905	−0.00690400	0.00015342	
0.03442363	0.23270686	−0.51703409	0.73153746	−0.37464734	0.04276159	−0.00142833	
0.00408194	0.03952461	−0.13370412	0.36261852	0.89043171	−0.23666180	0.01321843	
0.00026491	0.00328386	−0.01427422	0.05226728	0.23422459	0.96329604	−0.11938641	
0.00000770	0.00011429	−0.00058902	0.00259493	0.01575557	0.11905702	0.99275883	

J = 14, *O*−

0.46192319	−0.61951583	0.62008282	−0.13517102	0.00729045	−0.00018854	0.00000201	
0.77568630	−0.05224352	−0.57393480	0.25595511	−0.02580806	0.00106986	−0.00001657	
0.41555597	0.68540918	0.25874018	−0.52865304	0.10516304	−0.00690552	0.00015343	
0.10959552	0.37111009	0.44871609	0.71182027	−0.37470158	0.04276192	−0.00142833	
0.01544343	0.07687632	0.13256179	0.35690006	0.89034694	−0.23666189	0.01321843	
0.00113248	0.00722921	0.01518122	0.05166609	0.23421007	0.96329597	−0.11938641	
0.00003603	0.00027415	0.00065538	0.00257153	0.01575482	0.11905701	0.99275883	

J = 14, *E*−

0.74217680	0.60847570	0.27749171	−0.04385663	0.00242045	−0.00005388	0.00000035	
0.62743502	−0.48595799	−0.58753477	0.15745824	−0.01340660	0.00042891	−0.00000385	
0.23130233	−0.59686111	0.61827953	−0.45091312	0.06821074	−0.00333650	0.00004209	
0.04446599	−0.19142217	0.43386664	0.82509461	−0.30286168	0.02517007	−0.00047073	
0.00456506	−0.02671673	0.08514331	0.29708085	0.93426052	−0.17574631	0.00542921	
0.00022961	−0.00165536	0.00648094	0.03036540	0.17479384	0.98187427	−0.06635644	
0.00000381	−0.00003194	0.00014397	0.00081182	0.00639510	0.06626688	0.99778110	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

J = 15, *E*+

0.63290848	−0.48929044	0.50209061	0.32647683	0.03657118	−0.00147220	0.00002988	−0.00000026
0.69507268	0.03947406	−0.50324826	−0.50488306	−0.08440486	0.00508450	−0.00014603	0.00000170
0.32728274	0.71906663	−0.09537801	0.56569309	0.21497533	−0.02254366	0.00097206	−0.00001569
0.09436830	0.47299054	0.61066219	−0.35585081	−0.50813408	0.09794904	−0.00649436	0.00014769
0.01668267	0.13372910	0.32888486	−0.42320139	0.74844999	−0.36427185	0.04123411	−0.00139189
0.00176846	0.01934636	0.06661998	−0.11235245	0.35286362	0.89645569	−0.23290861	0.01301251
0.00010470	0.00143048	0.00611622	−0.01203203	0.04927389	0.23088779	0.96437985	−0.11853346
0.00000282	0.00004551	0.00022677	−0.00049441	0.00238632	0.01529005	0.11824419	0.99286380

J = 15, *O*+

0.84014695	−0.46947491	−0.26004178	−0.07786023	0.00789690	−0.00031669	0.00000548	−0.00000003
0.50739984	0.50924006	0.63466296	0.28077354	−0.03980384	0.00218284	−0.00005015	0.00000034
0.18677034	0.66450498	−0.42111356	−0.57029408	0.14431435	−0.01229681	0.00040342	−0.00000374
0.04220670	0.27499528	−0.56497538	0.63976026	−0.43576864	0.06481713	−0.00320150	0.00004125
0.00580661	0.05518518	−0.18009750	0.41757106	0.83766589	−0.29636632	0.02455240	−0.00046433
0.00046639	0.00575427	−0.02469860	0.07858952	0.29171615	0.93693584	−0.17379377	0.00538389
0.00001943	0.00029040	−0.00150102	0.00579330	0.02914302	0.17297882	0.98225448	−0.06610023
0.00000028	0.00000480	−0.00002843	0.00012536	0.00076496	0.00626303	0.06601982	0.99779835

J = 15, *O*−

0.43818293	−0.58010859	0.65444267	−0.20732333	0.01383361	−0.00045464	0.00000708	−0.00000004
0.76861562	−0.13478352	−0.52778443	0.33282448	−0.04159334	0.00220891	−0.00005036	0.00000035
0.44642258	0.66813379	0.11082174	−0.56645055	0.14493076	−0.01230230	0.00040345	−0.00000374
0.13211926	0.43254609	0.49364352	0.59795821	−0.43588845	0.06481853	−0.00320151	0.00004125
0.02175260	0.10789842	0.19065275	0.40240870	0.83735732	−0.29636668	0.02455241	−0.00046433
0.00198589	0.01288289	0.02882791	0.07654834	0.29164720	0.93693545	−0.17379377	0.00538389
0.00009106	0.00071420	0.00186425	0.00567726	0.02913774	0.17297877	0.98225448	−0.06610023
0.00000140	0.00001266	0.00003688	0.00012335	0.00076485	0.00626303	0.06601982	0.99779835

J = 15, *E*−

0.71591508	−0.61518989	−0.32359720	−0.06534914	0.00461690	−0.00013959	0.00000166
0.64453539	0.40484231	0.61404912	0.20764542	−0.02242655	0.00097103	−0.00001568
0.26205240	0.63095298	−0.51587805	−0.50741241	0.09791407	−0.00649417	0.00014769
0.05759916	0.24048267	−0.48706081	0.75314817	−0.36426343	0.04123407	−0.00139189
0.00709840	0.04121753	−0.12129502	0.35421151	0.89646903	−0.23290860	0.01301251
0.00046921	0.00340992	−0.01254609	0.04941492	0.23089007	0.96437986	−0.11853346
0.00001374	0.00011759	−0.00050395	0.00239181	0.01529017	0.11824419	0.99286380

KAPPA = −0.500000

J = 2, *E*+

0.99265436	−0.12098483
0.12098483	0.99265436

J = 3, *E*+

0.96824584	−0.25000000
0.25000000	0.96824584

J = 3, *O*+

0.99806959	−0.06210548
0.06210548	0.99806959

J = 3, *O*−

0.99704859	−0.07677314
0.07677314	0.99704859

J = 4, *E*+

0.92696856	−0.37506157	0.00762242
0.37475870	0.92492291	−0.06382412
0.01688782	0.06201952	0.99793205

J = 4, *O*+

0.99304376	−0.11774586
0.11774586	0.99304376

J = 4, *O*−

0.98622872	−0.16538716
0.16538716	0.98622872

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

$J = 4, E-$

0.99803726	−0.06262291
0.06262291	0.99803726

$J = 5, E+$

0.88015834	−0.47413056	0.02283658
0.47299531	0.87196874	−0.12627733
0.03995916	0.12194564	0.99173208

$J = 5, O+$

0.98460403	−0.17474805	0.00424461
0.17468516	0.98279082	−0.06006078
0.00632394	0.05987755	0.99818570

$J = 5, O-$

0.96001546	−0.27990084	0.00508276
0.27969107	0.95820358	−0.06015650
0.01196754	0.05917278	0.99817602

$J = 5, E-$

0.99265436	−0.12098483
0.12098483	0.99265436

$J = 6, E+$

0.83719374	−0.54453819	0.05083849	−0.00049676
0.54262081	0.81542377	−0.20156390	0.00432739
0.06830157	0.19622392	0.97644207	−0.05824053
0.00204917	0.00764206	0.05786477	0.99829308

$J = 6, O+$

0.97328863	−0.22930221	0.01139043
0.22908056	0.96666759	−0.11434975
0.01520989	0.11390464	0.99337525

$J = 6, O-$

0.91234522	−0.40915854	0.01467959
0.40803175	0.90571105	−0.11488077
0.03370898	0.11080066	0.99327082

$J = 6, E-$

0.98253527	−0.18602763	0.00426271
0.18595752	0.98083062	−0.05823304
0.00665196	0.05800869	0.99829392

$J = 7, E+$

0.80090191	−0.59105564	0.09594880	−0.00178730
0.59052406	0.75310220	−0.28979726	0.01166028
0.09963706	0.28812561	0.94617174	−0.10924442
0.00539770	0.02177016	0.10756591	0.99394492

$J = 7, O+$

0.96007030	−0.27882194	0.02287488	−0.00029000
0.27842719	0.94433260	−0.17520756	0.00406907
0.02725486	0.17452189	0.98262496	−0.05698663
0.00069979	0.00603186	0.05680884	0.99836661

$J = 7, O-$

0.84659891	−0.53125789	0.03217496	−0.00034305
0.52794534	0.83058920	−0.17714033	0.00407402
0.06738010	0.16688673	0.98201894	−0.05698721
0.00198261	0.00595405	0.05678799	0.99836654

$J = 7, E-$

0.96696068	−0.25467289	0.01134717
0.25436442	0.96092421	−0.10919436
0.01690507	0.10847297	0.99395565

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

J = 8, *E*+							
0.77076649	−0.61668838	0.15997572	−0.00471579	0.00003327			
0.62359411	0.67883040	−0.38696813	0.02398424	−0.00029732			
0.13015815	0.39581083	0.89381456	−0.16574918	0.00392157			
0.01040248	0.04708278	0.16040577	0.98427565	−0.05609301			
0.00023322	0.00131324	0.00538062	0.05595681	0.99841780			
J = 8, *O*+							
0.94591189	−0.32204064	0.03923772	−0.00096175				
0.32170837	0.91549557	−0.24137033	0.01058062				
0.04184102	0.24065977	0.96393796	−0.10562105				
0.00193609	0.01551014	0.10499699	0.99434970				
J = 8, *O*−							
0.77517835	−0.62877871	0.06110998	−0.00119434				
0.62210796	0.74295186	−0.24676238	0.01060911				
0.10974873	0.22894396	0.96144845	−0.10562557				
0.00595172	0.01563768	0.10483693	0.99434866				
J = 8, *E*−							
0.94611929	−0.32300647	0.02291332	−0.00029333				
0.32222069	0.93207163	−0.16553225	0.00392119				
0.03211613	0.16394979	0.98434882	−0.05609297				
0.00081681	0.00545548	0.05595939	0.99841781				
J = 9, *E*+							
0.74551091	0.62236582	0.23825163	−0.01050776	0.00013683			
0.64667633	−0.58919589	−0.48250237	0.04299330	−0.00097868			
0.16041741	−0.50802529	0.81507716	−0.22743330	0.00999413			
0.01699986	−0.08601910	0.21423030	0.96736598	−0.10305414			
0.00068323	−0.00447319	0.01349907	0.10255884	0.99462505			
J = 9, *O*+							
0.93154004	−0.35857371	0.06043614	−0.00234908	0.00001993			
0.35892553	0.88000844	−0.31034786	0.02101765	−0.00028087			
0.05822501	0.30999332	0.93559667	−0.15861374	0.00381348			
0.00393222	0.03022615	0.15705092	0.98556296	−0.05542183			
0.00007825	0.00074850	0.00505561	0.05531795	0.99845571			
J = 9, *O*−							
0.70884161	0.69741501	0.10557635	−0.00308332	0.00002344			
0.68771277	−0.65006200	−0.32252739	0.02113184	−0.00028117			
0.15631841	−0.29999872	0.92756954	−0.15863645	0.00381350			
0.01261750	−0.03212109	0.15626607	0.98555485	−0.05542183			
0.00028034	−0.00083658	0.00503788	0.05531765	0.99845571			
J = 9, *E*−							
0.92104461	−0.38739735	0.03999013	−0.00095804				
0.38594852	0.89417178	−0.22671730	0.00999163				
0.05210347	0.22402709	0.96771743	−0.10305375				
0.00240855	0.01385593	0.10258186	0.99462514				
J = 10, *E*+							
0.72398643	0.61128193	0.31896772	−0.02091595	0.00040917	−0.00000226		
0.66291651	−0.48936754	−0.56219613	0.07064606	−0.00239940	0.00002057		
0.18909727	−0.60661516	0.71407972	−0.29320475	0.01952736	−0.00027071		
0.02500854	−0.13695344	0.26759816	0.94095621	−0.15361323	0.00373220		
0.00146187	−0.01074991	0.02600153	0.15225391	0.98641322	−0.05489935		
0.00002615	−0.00023214	0.00063529	0.00477316	0.05481515	0.99848488		
J = 10, *O*+							
0.91741588	−0.38854711	0.08576538	−0.00485166	0.00007684			
0.39060270	0.83818062	−0.37889552	0.03633394	−0.00089513			
0.07570875	0.37934637	0.89651889	−0.21570099	0.00956469			
0.00676427	0.05074889	0.21254794	0.97055432	−0.10112608			
0.00024030	0.00229572	0.01263885	0.10076560	0.99482723			

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

J = 10, *O* −						
0.65168783	0.73933308	0.16924416	−0.00678071	0.00009369		
0.73029589	−0.55147938	−0.40148516	0.03670528	−0.00089691		
0.20366783	−0.38185953	0.87524113	−0.21578738	0.00956490		
0.02212514	−0.05858551	0.20967185	0.97050989	−0.10112611		
0.00088791	−0.00285072	0.01252052	0.10076266	0.99482723		
J = 10, *E* −						
0.89321593	−0.44514108	0.06331921	−0.00232365	0.00002031		
0.44310768	0.84759907	−0.29129104	0.01951584	−0.00027069		
0.07611827	0.28757545	0.94228239	−0.15361097	0.00373220		
0.00518533	0.02692932	0.15238533	0.98641406	−0.05489935		
0.00010254	0.00064456	0.00477617	0.05481518	0.99848488		
J = 11, *E*+						
0.70532776	−0.59060762	−0.39016440	−0.03828928	0.00102553	−0.00001034	
0.67435380	0.39064946	0.61701121	0.10914120	−0.00502939	0.00007843	
0.21583282	0.67842866	−0.60124325	−0.36131156	0.03332472	−0.00084482	
0.03418941	0.19461310	−0.32188169	0.90230188	−0.20764116	0.00924478	
0.00263887	0.02086262	−0.04431246	0.20442330	0.97256361	−0.09962600	
0.00008399	0.00081982	−0.00200940	0.01176915	0.09933930	0.99498165	
J = 11, *O*+						
0.90379389	−0.41241917	0.11396055	−0.00894281	0.00021611	−0.00000138	
0.41745122	0.79101422	−0.44354624	0.05738624	−0.00212855	0.00001953	
0.09371073	0.44525310	0.84647343	−0.27588242	0.01842625	−0.00026290	
0.01044471	0.07700567	0.27050678	0.94779677	−0.14984970	0.00366874	
0.00053815	0.00516933	0.02425317	0.14891655	0.98703619	−0.05448107	
0.00000874	0.00010031	0.00056111	0.00456907	0.05441061	0.99850803	
J = 11, *O* −						
0.60357923	0.75608107	0.25269235	−0.01341789	0.00027431	−0.00000161	
0.75641610	−0.44324036	−0.47744552	0.05842849	−0.00213600	0.00001955	
0.24968522	−0.47136629	0.79929582	−0.27614792	0.01842737	−0.00026290	
0.03435130	−0.09818551	0.26221002	0.94760595	−0.14984992	0.00366874	
0.00202088	−0.00726727	0.02375193	0.14889755	0.98703611	−0.05448107	
0.00003596	−0.00014997	0.00055275	0.00456863	0.05441061	0.99850803	
J = 11, *E* −						
0.86409923	−0.49460481	0.09314260	−0.00480040	0.00007699		
0.49255638	0.79295345	−0.35707788	0.03328211	−0.00084467		
0.10311385	0.35286257	0.90645423	−0.20763143	0.00924477		
0.00938882	0.04555135	0.20499147	0.97256881	−0.09962600		
0.00033330	0.00199384	0.01179292	0.09933965	0.99498165		
J = 12, *E*+						
0.68891107	−0.56751537	−0.44613437	−0.06547337	0.00228166	−0.00003418	0.00000016
0.68234025	0.30183672	0.64607293	0.16064103	−0.00951620	0.00021977	−0.00000143
0.24048656	0.72200493	−0.48386586	−0.42897983	0.05216644	−0.00197260	0.00001886
0.04428707	0.25358517	−0.37999742	0.84801599	−0.26437424	0.01761392	−0.00025680
0.00426120	0.03493178	−0.07075283	0.25740557	0.95178727	−0.14692152	0.00361782
0.00019626	0.00202750	−0.00486925	0.02224863	0.14618729	0.98750971	−0.05413863
0.00000292	0.00003547	−0.00009525	0.00050010	0.00440859	0.05407818	0.99852684
J = 12, *O*+						
0.89079324	−0.43089889	0.14347301	−0.01512562	0.00051043	−0.00000597	
0.44019105	0.74013259	−0.50122220	0.08481238	−0.00433033	0.00007231	
0.11178141	0.50468865	0.78602095	−0.33763959	0.03105168	−0.00080651	
0.01493732	0.10827370	0.32970375	0.91577759	−0.20154302	0.00899650	
0.00101446	0.00979598	0.04068602	0.19950971	0.97404105	−0.09842543	
0.00002925	0.00034272	0.00171781	0.01117422	0.09818974	0.99510343	
J = 12, *O* −						
0.56302429	0.74845783	0.34958465	−0.02458946	0.00067732	−0.00000720	
0.77113903	−0.32471136	−0.54059783	0.08741933	−0.00435580	0.00007243	
0.29314233	−0.55778204	0.69822862	−0.33831703	0.03105631	−0.00080653	
0.04900080	−0.15169534	0.31061790	0.91509727	−0.20154406	0.00899650	
0.00383710	−0.01551721	0.03917991	0.19941668	0.97404048	−0.09842543	
0.00012206	−0.00058639	0.00167484	0.01117033	0.09818970	0.99510343	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

J = 12, *E* −

0.83486083	−0.53505675	0.12900479	−0.00891036	0.00021416	−0.00000141		
0.53418647	0.73106112	−0.42128768	0.05203138	−0.00197189	0.00001886		
0.13199265	0.41749817	0.85911990	−0.26434051	0.01761382	−0.00025680		
0.01515076	0.07027243	0.25939676	0.95181224	−0.14692150	0.00361782		
0.00078476	0.00457948	0.02237250	0.14618978	0.98750972	−0.05413863		
0.00001269	0.00008649	0.00050225	0.00440865	0.05407818	0.99852684		

J = 13, *E*+

0.67428620	−0.54596994	−0.48597046	−0.10519531	0.00464753	−0.00009427	0.00000077	
0.68779729	0.22579753	0.65149360	0.22633261	−0.01672520	0.00052086	−0.00000612	
0.26306141	0.74284391	−0.36239436	−0.49167231	0.07677679	−0.00395067	0.00006840	
0.05505633	0.31035795	−0.44297141	0.77423850	−0.32266580	0.02939365	−0.00077693	
0.00635304	0.05269079	−0.10829875	0.30850473	0.92275312	−0.19679636	0.00879828	
0.00038511	0.00410182	−0.01032967	0.03664914	0.19519996	0.97515898	−0.09744278	
0.00001015	0.00012884	−0.00037049	0.00150071	0.01069747	0.09724336	0.99520193	

J = 13, *O*+

0.87845317	−0.44485115	0.17279207	−0.02385853	0.00107085	−0.00001874	0.00000010	
0.45947374	0.68742929	−0.54966699	0.11886056	−0.00794912	0.00019713	−0.00000136	
0.12959190	0.55562998	0.71625185	−0.39893820	0.04805644	−0.00185432	0.00001832	
0.02017252	0.14335535	0.38865863	0.87314502	−0.25556985	0.01698651	−0.00025190	
0.00170645	0.01650115	0.06262076	0.25164872	0.95475702	−0.14457732	0.00357605	
0.00007106	0.00084658	0.00393515	0.02101732	0.14398263	0.98788203	−0.05385311	
0.00000098	0.00001351	0.00007210	0.00046003	0.00428062	0.05380026	0.99854243	

J = 13, *O* −

0.52847062	0.72074482	−0.44658829	−0.04245446	0.00149212	−0.00002333	0.00000011	
0.77796637	−0.20282923	0.58137502	0.12476891	−0.00802474	0.00019766	−0.00000137	
0.33336419	−0.62624773	−0.57798700	−0.40037321	0.04807276	−0.00185438	0.00001832	
0.06567789	−0.21534772	−0.35348927	0.87106286	−0.25557386	0.01698652	−0.00025190	
0.00646364	−0.02870099	−0.05936138	0.25127705	0.95475398	−0.14457733	0.00357605	
0.00029899	−0.00161398	−0.00381734	0.02099422	0.14398233	0.98788203	−0.05385311	
0.00000443	−0.00002745	−0.00007101	0.00045962	0.00428061	0.05380026	0.99854243	

J = 13, *E* −

0.80629151	−0.56645374	0.16967793	−0.01527456	0.00050275	−0.00000602		
0.56852226	0.66315573	−0.48078564	0.07639699	−0.00394798	0.00006839		
0.16176520	0.47859164	0.79991685	−0.32256865	0.02939317	−0.00077693		
0.02249606	0.10111822	0.31433417	0.92285258	−0.19679626	0.00879828		
0.00154556	0.00892740	0.03713942	0.19521352	0.97515904	−0.09744278		
0.00004454	0.00030478	0.00151602	0.01069804	0.09724337	0.99520193		

J = 14, *E*+

0.66112257	−0.52718608	−0.50972778	−0.15840225	0.00883437	−0.00022977	0.00000278	−0.00000001
0.69136942	0.16172861	0.63437536	0.30437954	−0.02778433	0.00110416	−0.00001909	0.00000010
0.28364179	0.74740306	−0.23469109	−0.54239231	0.10777481	−0.00715758	0.00018309	−0.00000132
0.06627684	0.36307849	−0.50686738	0.67799136	−0.38099505	0.04510228	−0.00176396	0.00001789
0.00891806	0.07367831	−0.15922367	0.35404969	0.88411503	−0.24871132	0.01648779	−0.00024787
0.00067280	0.00726387	−0.01994295	0.05511467	0.24559837	0.95698953	−0.14265821	0.00354117
0.00002556	0.00033330	−0.00106907	0.00336310	0.01998035	0.14216031	0.98818241	−0.05361141
0.00000033	0.00000488	−0.00001749	0.00006010	0.00042819	0.00417612	0.05356451	0.99855556

J = 14, *O*+

0.86676907	−0.45517187	0.20067059	−0.03545460	0.00205566	−0.00004920	0.00000046	
0.47585890	0.63466199	−0.58756581	0.15920269	−0.01353424	0.00045505	−0.00000568	
0.14691322	0.59721401	0.63855435	−0.45726271	0.06998339	−0.00366221	0.00006533	
0.02606107	0.18084966	0.44552525	0.81891869	−0.31097020	0.02811779	−0.00075335	
0.00264367	0.02546582	0.09051901	0.30410616	0.92808917	−0.19299266	0.00863636	
0.00014469	0.00174251	0.00771838	0.03461239	0.19171978	0.97603624	−0.09662364	
0.00000351	0.00004971	0.00025572	0.00137220	0.01031910	0.09645129	0.99528323	

J = 14, *O* −

0.49865373	0.68186924	−0.53058468	−0.06978217	0.00302230	−0.00006337	0.00000055	
0.77927525	−0.08843789	0.59610110	0.17141590	−0.01373628	0.00045692	−0.00000569	
0.37003773	−0.66730040	−0.44894004	−0.45969216	0.07003428	−0.00366248	0.00006533	
0.08394340	−0.28234282	−0.39269975	0.81333960	−0.31098304	0.02811784	−0.00075335	
0.00998794	−0.04704243	−0.08558939	0.30284696	0.92807579	−0.19299267	0.00863636	
0.00061117	−0.00357543	−0.00758337	0.03450641	0.19171796	0.97603624	−0.09662364	
0.00001610	−0.00010970	−0.00025760	0.00136887	0.01031903	0.09645129	0.99528323	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

J = 14, $E-$

0.77885814	−0.58930439	0.21329627	−0.02457488	0.00105307	−0.00001867	0.00000010	
0.59638144	0.59099574	−0.53253534	0.10680908	−0.00714871	0.00018305	−0.00000132	
0.19162036	0.53320268	0.72935599	−0.38076137	0.04510042	−0.00176396	0.00001789	
0.03136085	0.13746642	0.36841485	0.88445519	−0.24871086	0.01648779	−0.00024787	
0.00270090	0.01554467	0.05665129	0.24565861	0.95698989	−0.14265821	0.00354117	
0.00011287	0.00078100	0.00343273	0.01998407	0.14216034	0.98818241	−0.05361141	
0.00000154	0.00001221	0.00006106	0.00042826	0.00417612	0.05356451	0.99855556	

J = 15, $E+$

0.64917189	−0.51109884	−0.51758221	0.22183387	0.01587321	−0.00051076	0.00000832	−0.00000006
0.69351774	0.10769054	0.59599205	−0.38765598	−0.04413109	0.00215703	−0.00005002	0.00000047
0.30235517	0.74079706	−0.10236118	0.57269080	0.14561212	−0.01205959	0.00041581	−0.00000539
0.07775947	0.41084140	−0.56179252	−0.56031043	−0.43742564	0.06520064	−0.00344424	0.00006288
0.01194317	0.09732722	−0.22262805	−0.39055673	0.83452889	−0.30184955	0.02710758	−0.00073412
0.00108019	0.01169092	−0.03526490	−0.07754837	0.29622204	0.93205791	−0.18987645	0.00850162
0.00005388	0.00071296	−0.00257184	−0.00645689	0.03269326	0.18882061	0.97674279	−0.09593031
0.00000121	0.00001862	−0.00007623	−0.00020930	0.00126475	0.01001039	0.09577885	0.99535147

J = 15, $O+$

0.85571400	−0.46267785	−0.22621160	−0.04997537	0.00367629	−0.00011426	0.00000157	−0.00000001
0.48981523	0.58319330	0.61445328	0.20479498	−0.02172367	0.00094002	−0.00001729	0.00000010
0.16359448	0.62954125	−0.55457149	−0.50977007	0.09724535	−0.00655085	0.00017214	−0.00000128
0.03250478	0.21939512	−0.49805031	0.75273259	−0.36648486	0.04283393	−0.00169250	0.00001754
0.00384694	0.03671961	−0.12444052	0.35543654	0.89297781	−0.24320409	0.01608189	−0.00024450
0.00026182	0.00316796	−0.01363632	0.05239300	0.24076948	0.95873837	−0.14105810	0.00351160
0.00000915	0.00013154	−0.00066594	0.00307245	0.01916453	0.14063155	0.98842986	−0.05340415
0.00000011	0.00000178	−0.00001016	0.00005320	0.00040344	0.00408924	0.05336204	0.99856678

J = 15, $O-$

0.47261290	−0.64070529	0.59502240	−0.10976898	0.00573389	−0.00015274	0.00000193	−0.00000001
0.77669849	−0.01117805	−0.58671457	0.22778474	−0.02221999	0.00094588	−0.00001733	0.00000010
0.40309217	0.68129518	0.31793322	−0.51258615	0.09738853	−0.00655184	0.00017215	−0.00000128
0.10335869	0.34678172	0.43127839	0.73951628	−0.36651932	0.04283413	−0.00169250	0.00001754
0.01445527	0.07003483	0.12015230	0.35174322	0.89292741	−0.24320414	0.01608189	−0.00024450
0.00110655	0.00679236	0.01395319	0.05199391	0.24076062	0.95873833	−0.14105810	0.00351160
0.00004217	0.00030581	0.00070742	0.00305401	0.01916399	0.14063155	0.98842986	−0.05340415
0.00000054	0.00000440	0.00001108	0.00005294	0.00040343	0.00408924	0.05336204	0.99856678

J = 15, $E-$

0.75279484	0.60455818	0.25768257	−0.03748227	0.00202675	−0.00004858	0.00000046	
0.61865675	−0.51673722	−0.57406161	0.14336931	−0.01203345	0.00041562	−0.00000539	
0.22093685	−0.57892416	0.64871420	−0.43696849	0.06519425	−0.00344421	0.00006288	
0.04161614	−0.17809969	0.42018607	0.83555055	−0.30184795	0.02710758	−0.00073412	
0.00432555	−0.02483092	0.08137461	0.29644974	0.93205960	0.18987645	0.00850162	
0.00023860	−0.00167114	0.00668115	0.03271225	0.18882083	0.97674280	−0.09593031	
0.00000579	−0.00004683	0.00021457	0.00126534	0.01001040	0.09577885	0.99535147	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000

J = 2, *E*+

0.99548493	−0.09491969
0.09491969	0.99548493

J = 3, *E*+

0.97942806	−0.20179364
0.20179364	0.97942806

J = 3, *O*+

0.99877555	−0.04947116
0.04947116	0.99877555

J = 3, *O*−

0.99829437	−0.05838113
0.05838113	0.99829437

J = 4, *E*+

0.94869586	−0.31615671	0.00459292
0.31598944	0.94747649	−0.04938601
0.01126203	0.04830362	0.99876921

J = 4, *O*+

0.99543255	−0.09546742
0.09546742	0.99543255

J = 4, *O*−

0.99215674	−0.12500000
0.12500000	0.99215674

J = 4, *E*−

0.99880759	−0.04882006
0.04882006	0.99880759

J = 5, *E*+

0.90862973	−0.41737555	0.01377204
0.41664765	0.90382945	−0.09745290
0.02822688	0.09428669	0.99514484

J = 5, *O*+

0.98948302	−0.14462541	0.00261499
0.14458909	0.98839068	−0.04666764
0.00416470	0.04655494	0.99890705

J = 5, *O*−

0.97713417	−0.21260237	0.00300693
0.21250857	0.97604251	−0.04670264
0.00699420	0.04627375	0.99890431

J = 5, *E*−

0.99548493	−0.09491969
0.09491969	0.99548493

J = 6, *E*+

0.86762551	−0.49626619	0.03075361	−0.00023238
0.49462586	0.85514204	−0.15514696	0.00260076
0.05069284	0.14977397	0.98638331	−0.04523218
0.00120941	0.00443982	0.04507320	0.99897309

J = 6, *O*+

0.98099439	−0.19390628	0.00709639
0.19376049	0.97699708	−0.08907068
0.01033821	0.08875284	0.99600003

J = 6, *O*−

0.94785924	−0.31857229	0.00863483
0.31804285	0.94386442	−0.08926757
0.02028807	0.08735934	0.99597025

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

J = 6, *E*−

0.98906139	−0.14748197	0.00257728				
0.14744682	0.98803526	−0.04523005				
0.00412417	0.04511531	0.99897327				

J = 7, *E*+

0.83065088	−0.55369954	0.05861087	−0.00083678			
0.55150790	0.80372742	−0.22318662	0.00700048			
0.07646549	0.21744999	0.96935471	−0.08497046			
0.00334374	0.01243229	0.08428489	0.99635853			

J = 7, *O*+

0.97047030	−0.24078663	0.01446268	−0.00013846			
0.24046120	0.96092094	−0.13712528	0.00245367			
0.01912193	0.13652615	0.98946249	−0.04425989			
0.00039107	0.00365511	0.04417539	0.99901703			

J = 7, *O*−

0.90161874	−0.43212215	0.01881673	−0.00015772			
0.43040918	0.89204063	−0.13786015	0.00245506			
0.04278581	0.13236680	0.98928735	−0.04426002			
0.00098018	0.00360393	0.04417072	0.99901702			

J = 7, *E*−

0.97875603	−0.20491270	0.00688685				
0.20474936	0.97512059	−0.08495607				
0.01069306	0.08456134	0.99636090				

J = 8, *E*+

0.79895306	−0.59299403	0.10013592	−0.00221025	0.00001208		
0.59234506	0.74718874	−0.30104742	0.01437851	−0.00013874		
0.10371236	0.29891123	0.93977807	−0.12925718	0.00236391		
0.00671263	0.02681075	0.12708150	0.99054959	−0.04356526		
0.00011991	0.00057279	0.00327493	0.04350255	0.99904778		

J = 8, *O*+

0.95859641	−0.28364322	0.02528310	−0.00046269			
0.28315418	0.93996035	−0.19041375	0.00639146			
0.03025508	0.18955591	0.97795870	−0.08215818			
0.00112329	0.00946681	0.08185444	0.99659870			

J = 8, *O*−

0.84241343	−0.53765667	0.03556151	−0.00054719			
0.53368393	0.82344665	−0.19255164	0.00639948			
0.07423692	0.18103498	0.97722315	−0.08215919			
0.00315564	0.00934163	0.08181785	0.99659852			

J = 8, *E*−

0.96421265	−0.26476072	0.01398983	−0.00013761			
0.26430975	0.95574256	−0.12919338	0.00236383			
0.02083637	0.12824613	0.99056592	−0.04356525			
0.00041604	0.00329457	0.04350300	0.99904778			

J = 9, *E*+

0.77206439	−0.61599995	0.15632116	−0.00493187	0.00004974		
0.62176097	0.68122889	−0.38558852	0.02572496	−0.00045654		
0.13115119	0.39236945	0.89280178	−0.17808475	0.00603236		
0.01136225	0.05013451	0.17239977	0.98041369	−0.08015446		
0.00036623	0.00199971	0.00827588	0.07992944	0.99676410		

J = 9, *O*+

0.94602152	−0.32163940	0.03987575	−0.00114081	0.00000738		
0.32119120	0.91394183	−0.24775872	0.01273311	−0.00013145		
0.04328857	0.24679858	0.96015956	−0.12371297	0.00229884		
0.00236377	0.01867488	0.12292209	0.99130372	−0.04304363		
0.00003750	0.00035933	0.00305374	0.04299535	0.99907054		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

J = 9, *O*−

0.77914672	−0.62383373	0.06131797	−0.00140775	0.00000837	
0.61670139	0.74534939	−0.25292433	0.01276527	−0.00013152	
0.11206565	0.23438008	0.95770340	−0.12371814	0.00229884	
0.00714583	0.01875139	0.12273662	0.99130232	−0.04304363	
0.00012466	0.00037192	0.00305048	0.04299531	0.99907054	

J = 9, *E*−

0.94563148	−0.32430556	0.02463337	−0.00045072		
0.32337045	0.92938621	−0.17786636	0.00603181		
0.03480002	0.17605919	0.98049344	−0.08015439		
0.00126919	0.00838700	0.07993347	0.99676411		

J = 10, *E*+

0.74909833	0.62331314	0.22413305	−0.00983757	0.00014892	−0.00000064
0.64312336	−0.60336525	−0.46964108	0.04217493	−0.00111889	0.00000745
0.15794374	−0.49025137	0.82536152	−0.23096804	0.01181027	−0.00012666
0.01723779	−0.08401729	0.21845961	0.96465919	−0.11977870	0.00224983
0.00081356	−0.00507936	0.01597828	0.11917462	0.99181535	−0.04263754
0.00001161	−0.00008483	0.00029823	0.00288405	0.04259840	0.99908807

J = 10, *O*+

0.93324883	−0.35447474	0.05821165	−0.00238373	0.00002862	
0.35453871	0.88278503	−0.30741473	0.02211118	−0.00041956	
0.05771700	0.30662354	0.93491695	−0.16896069	0.00577355	
0.00420248	0.03192157	0.16727027	0.98224137	−0.07865046	
0.00011971	0.00112437	0.00765128	0.07848303	0.99688545	

J = 10, *O*−

0.71940220	0.68751393	0.09887134	−0.00308550	0.00003337	
0.67737207	−0.66294730	−0.31807898	0.02221577	−0.00041996	
0.15313969	−0.29446219	0.92803681	−0.16898104	0.00577359	
0.01325156	−0.03340610	0.16655242	0.98223359	−0.07865047	
0.00041984	−0.00123249	0.00762820	0.07848263	0.99688545	

J = 10, *E*−

0.92371472	−0.38103785	0.03949778	−0.00109752	0.00000739	
0.37946646	0.89599359	−0.23035028	0.01180775	−0.00012665	
0.05242418	0.22745911	0.96496744	−0.11977830	0.00224983	
0.00283374	0.01636787	0.11919814	0.99181546	−0.04263754	
0.00004415	0.00030272	0.00288446	0.04259840	0.99908807	

J = 11, *E*+

0.72923100	0.61671429	0.29590325	−0.01807659	0.00037385	−0.00000292
0.65873717	−0.51629021	−0.54339270	0.06502794	−0.00234435	0.00002841
0.18357189	−0.58026919	0.73941793	−0.28712619	0.02021276	−0.00039576
0.02421839	−0.12760511	0.26400645	0.94179769	−0.16253295	0.00558027
0.00151962	−0.01060249	0.02695377	0.16115001	0.98345629	−0.07748017
0.00003878	−0.00032357	0.00092689	0.00713648	0.07734713	0.99697820

J = 11, *O*+

0.92061903	−0.38218095	0.07986515	−0.00445744	0.00008106	−0.00000040
0.38350744	0.84666959	−0.36719988	0.03515538	−0.00099989	0.00000709
0.07306040	0.36690950	0.90145356	−0.21747834	0.01114576	−0.00012301
0.00668899	0.04958819	0.21436038	0.96844883	−0.11682410	0.00221158
0.00027798	0.00259981	0.01472535	0.11639012	0.99218916	−0.04231242
0.00000360	0.00003935	0.00026275	0.00275842	0.04227964	0.99910197

J = 11, *O*−

0.66659102	0.72997485	0.15085116	−0.00608662	0.00009750	−0.00000045
0.71913556	−0.57659485	−0.38616674	0.03544974	−0.00100152	0.00000710
0.19502529	−0.36275868	0.88482856	−0.21754413	0.01114595	−0.00012301
0.02155430	−0.05542214	0.21209401	0.96841477	−0.11682413	0.00221158
0.00100683	−0.00310216	0.01461711	0.11638751	0.99218915	−0.04231242
0.00001413	−0.00004894	0.00026131	0.00275838	0.04227964	0.99910197

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

J = 11, *E*−

0.89945454	−0.43299297	0.05910522	−0.00227975	0.00002810		
0.43080418	0.85581131	−0.28563338	0.02020346	−0.00039573		
0.07321839	0.28164782	0.94279693	−0.16253118	0.00558027		
0.00532357	0.02788752	0.16125482	0.98345699	−0.07748017		
0.00014956	0.00094275	0.00713987	0.07734717	0.99697820		

J = 12, *E*+

0.71181040	−0.60064731	0.36273609	−0.03115432	0.00083339	−0.00000966	0.00000003
0.67017117	0.42736577	−0.59920237	0.09573901	−0.00443360	0.00007962	−0.00000040
0.20774209	0.65169132	0.64172096	−0.34543608	0.03176338	−0.00092567	0.00000685
0.03214594	0.17752290	0.30951729	0.91007355	−0.20809599	0.01065326	−0.00012016
0.00253188	0.01909431	0.04204238	0.20522967	0.97088696	−0.11452502	0.00218088
0.00009398	0.00086501	0.00217780	0.01357328	0.11418510	0.99247375	−0.04204624
0.00000112	0.00001180	0.00003245	0.00023509	0.00266081	0.04201810	0.99911328

J = 12, *O*+

0.90833870	−0.40501250	0.10405161	−0.00767454	0.00019306	−0.00000172	
0.40855810	0.80617519	−0.42474269	0.05245304	−0.00204049	0.00002630	
0.08890466	0.42530051	0.85949330	−0.26857337	0.01883882	−0.00037784	
0.00983579	0.07169399	0.26348161	0.94891664	−0.15769713	0.00543028	
0.00054204	0.00508595	0.02479837	0.15674694	0.98434260	−0.07654355	
0.00001253	0.00013918	0.00080585	0.00676215	0.07643396	0.99705138	

J = 12, *O*−

0.62110920	0.75257936	0.21845793	−0.01112391	0.00024024	−0.00000199	
0.74661590	−0.48373791	−0.45357295	0.05319510	−0.00204606	0.00002632	
0.23613838	−0.43817500	0.82441323	−0.26875471	0.01883960	−0.00037784	
0.03197994	−0.08705867	0.25747610	0.94879198	−0.15769728	0.00543028	
0.00200027	−0.00673501	0.02441249	0.15673388	0.98434254	−0.07654355	
0.00005040	−0.00019467	0.00079667	0.00676173	0.07643396	0.99705138	

J = 12, *E*−

0.87388181	−0.47885914	0.08370385	−0.00426267	0.00007839	−0.00000040	
0.47638231	0.80924379	−0.34231050	0.03173384	−0.00092555	0.00000685	
0.09649382	0.33751860	0.91288300	−0.20808954	0.01065324	−0.00012016	
0.00890429	0.04352929	0.20561377	0.97089039	−0.11452502	0.00218088	
0.00036676	0.00219120	0.01359177	0.11418536	0.99247375	−0.04204624	
0.00000469	0.00003205	0.00023534	0.00266081	0.04201810	0.99911328	

J = 13, *E*+

0.69634529	−0.58052458	−0.41892602	−0.05091709	0.00170156	−0.00002668	0.00000017
0.67850902	0.34393096	0.63468790	0.13582191	−0.00778752	0.00018875	−0.00000172
0.23031520	0.70069857	−0.53883026	−0.40426174	0.04698263	−0.00185821	0.00002487
0.04084758	0.22973638	−0.35692157	0.86737413	−0.25593710	0.01782827	−0.00036397
0.00388493	0.03069039	−0.06261993	0.25036762	0.95326510	−0.15393263	0.00531052
0.00019082	0.00187470	−0.00446591	0.02258244	0.15319619	0.98501539	−0.07577694
0.00000403	0.00004609	−0.00012157	0.00070969	0.00647076	0.07568413	0.99711059

J = 13, *O*+

0.89651921	−0.42339521	0.12975556	−0.01237423	0.00040901	−0.00000544	0.00000002
0.43018575	0.76228782	−0.47780254	0.07448542	−0.00376159	0.00007184	−0.00000038
0.10491423	0.47958070	0.80926710	−0.32128539	0.02927573	−0.00087025	0.00000665
0.01362492	0.09786339	0.31381317	0.92263104	−0.20100951	0.01027304	−0.00011786
0.00094097	0.00887437	0.03837785	0.19915703	0.97266719	−0.11268484	0.00215569
0.00003155	0.00035736	0.00185252	0.01276293	0.11240845	0.99269764	−0.04182431
0.00000035	0.00000447	0.00002619	0.00021558	0.00258301	0.04179969	0.99912265

J = 13, *O*−

0.58210102	0.75575808	0.29936662	−0.01916966	0.00052828	−0.00000645	0.00000002
0.76372688	−0.38256662	−0.51433837	0.07619582	−0.00377814	0.00007193	−0.00000038
0.27550056	−0.51527185	0.74446839	−0.32171912	0.02927850	−0.00087026	0.00000665
0.04434839	−0.12959714	0.30034758	0.92223561	−0.20101010	0.01027304	−0.00011786
0.00350754	−0.01310321	0.03728969	0.19910332	0.97266686	−0.11268484	0.00215569
0.00012911	−0.00056502	0.00181549	0.01276035	0.11240843	0.99269764	−0.04182431
0.00000151	−0.00000740	0.00002581	0.00021554	0.00258301	0.04179969	0.99912265

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

J = 13, *E*−

0.84788379	−0.51791382	0.11315424	−0.00737827	0.00018477	−0.00000170		
0.51589092	0.75681683	−0.39859988	0.04689914	−0.00185776	0.00002487		
0.12149887	0.39359141	0.87436390	−0.25591720	0.01782821	−0.00036397		
0.01367862	0.06372142	0.25157105	0.95327909	−0.15393262	0.00531052		
0.00075117	0.00434992	0.02266095	0.15319765	0.98501540	−0.07577694		
0.00001717	0.00011512	0.00071161	0.00647081	0.07568413	0.99711059		

J = 14, *E*+

0.68246861	−0.56027089	−0.46262722	−0.07936415	0.00324361	−0.00006515	0.00000061	−0.00000000
0.68451506	0.26986245	0.65088930	0.18651873	−0.01292722	0.00040023	−0.00000537	0.00000002
0.25125499	0.72947965	−0.43322270	−0.46112086	0.06636729	−0.00337676	0.00006667	−0.00000037
0.05015166	0.28119493	−0.40787060	0.81121586	−0.30533559	0.02746120	−0.00082781	0.00000650
0.00559982	0.04524647	−0.09059482	0.29498762	0.92972106	−0.19548812	0.00997075	−0.00011598
0.00034417	0.00351934	−0.00844453	0.03447033	0.19406081	0.97401394	−0.11117858	0.00213466
0.00001052	0.00012691	−0.00034279	0.00160496	0.01212614	0.11094688	0.99287836	−0.04163643
0.00000011	0.00000146	−0.00000428	0.00002203	0.00020064	0.00251958	0.04161458	0.99913054

J = 14, *O*+

0.88521028	−0.43788034	0.15590435	−0.01888849	0.00079433	−0.00001438	0.00000010	
0.44886093	0.71625490	−0.52454759	0.10154354	−0.00644103	0.00016625	−0.00000160	
0.12082963	0.52802401	0.75139940	−0.37436484	0.04286931	−0.00172284	0.00002375	
0.01801576	0.12738894	0.36441808	0.88864058	−0.24632093	0.01705152	−0.00035292	
0.00150112	0.01420714	0.05593454	0.24301169	0.95645654	−0.15091807	0.00521269	
0.00006649	0.00076605	0.00365750	0.02111696	0.15032653	0.98554368	−0.07513790	
0.00000129	0.00001716	0.00009342	0.00064445	0.00623927	0.07505763	0.99715947	

J = 14, *O*−

0.54844947	0.74089524	0.38637198	−0.03151149	0.00106843	−0.00001749	0.00000012	
0.77336169	−0.27530740	−0.56125748	0.10519261	−0.00648520	0.00016657	−0.00000161	
0.31252435	−0.58452615	0.64652130	−0.37526847	0.04287797	−0.00172287	0.00002375	
0.05841004	−0.18186043	0.33888427	0.88752838	−0.24632295	0.01705153	−0.00035292	
0.00562011	−0.02311305	0.05349546	0.24282229	0.95645509	−0.15091807	0.00521269	
0.00027495	−0.00135257	0.00355354	0.02110469	0.15032638	0.98554368	−0.07513790	
0.00000575	−0.00003207	0.00009171	0.00064415	0.00623926	0.07505763	0.99715947	

J = 14, *E*−

0.82212624	−0.54990582	0.14685833	−0.01202147	0.00038901	−0.00000530	0.00000002	
0.54950632	0.69925101	−0.45244146	0.06615252	−0.00337525	0.00006667	−0.00000037	
0.14751922	0.44803696	0.82677018	−0.30528223	0.02746095	−0.00082781	0.00000650	
0.01968443	0.08862352	0.29827933	0.92977031	−0.19548807	0.00997075	−0.00011598	
0.00136233	0.00776352	0.03474560	0.19406745	0.97401397	−0.11117858	0.00213466	
0.00004534	0.00030286	0.00161483	0.01212645	0.11094688	0.99287836	−0.04163643	
0.00000049	0.00000368	0.00002213	0.00020065	0.00251958	0.04161458	0.99913054	

J = 15, *E*+

0.66990363	−0.54174153	−0.49373131	−0.11806952	0.00584827	−0.00014516	0.00000183	−0.00000001
0.68873976	0.20581733	0.64911234	0.24800890	−0.02051630	0.00078217	−0.00001408	0.00000010
0.27059109	0.74246639	−0.32395557	−0.51222879	0.09036553	−0.00571108	0.00015173	−0.00000152
0.05989782	0.33009117	−0.46188076	0.73907792	−0.35536959	0.03989855	−0.00162011	0.00002286
0.00768469	0.06247633	−0.12796141	0.33687788	0.89937343	−0.23881791	0.01643636	−0.00034391
0.00056933	0.00595347	−0.01505695	0.04939905	0.23626472	0.95886907	−0.14844957	0.00513127
0.00002296	0.00028651	−0.00083134	0.00311296	0.01993667	0.14795816	0.98596944	−0.07459702
0.00000041	0.00000588	−0.00001882	0.00007710	0.00059411	0.00605095	0.07452644	0.99720050

J = 15, *O*+

0.87442423	−0.44908165	0.18152115	−0.02749443	0.00144029	−0.00003364	0.00000035	−0.00000000
0.46500496	0.66936451	−0.56369843	0.13363009	−0.01041646	0.00034453	−0.00000489	0.00000002
0.13645801	0.56958477	0.68675947	−0.42626754	0.06000214	−0.00309143	0.00006269	−0.00000036
0.02295253	0.15936272	0.41418882	0.84615235	−0.29303614	0.02607146	−0.00079425	0.00000637
0.00224471	0.02124708	0.07784885	0.28752963	0.93499223	−0.19106215	0.00972471	−0.00011440
0.00012425	0.00145076	0.00653477	0.03215365	0.18993005	0.97506942	−0.10992287	0.00211683
0.00000349	0.00004746	0.00024595	0.00144701	0.01162177	0.10972417	0.99302728	−0.04147532
0.00000003	0.00000050	0.00000290	0.00001931	0.00018898	0.00246689	0.04145570	0.99913728

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

J = 15, *O* −

0.51914567	0.71243835	−0.46950550	−0.04979804	0.00202470	−0.00004210	0.00000041	−0.00000000
0.77758024	−0.16852970	0.58907382	0.14088243	−0.01052487	0.00034553	−0.00000489	0.00000002
0.34688340	−0.63645175	−0.53656466	−0.42788628	0.06002671	−0.00309156	0.00006269	−0.00000036
0.07387625	−0.23992950	−0.37310188	0.84333687	−0.29304214	0.02607148	−0.00079425	0.00000637
0.00840762	−0.03720921	−0.07355084	0.28694205	0.93498663	−0.19106216	0.00972471	−0.00011440
0.00051708	−0.00279226	−0.00633899	0.03210488	0.18992930	0.97506942	−0.10992287	0.00211683
0.00001570	−0.00009750	−0.00024273	0.00144526	0.01162174	0.10972417	0.99302728	−0.04147532
0.00000016	−0.00000109	−0.00000290	0.00001930	0.00018898	0.00246689	0.04145570	0.99913728

J = 15, *E* −

0.79705549	−0.57496245	0.18377392	−0.01863631	0.00075354	−0.00001384	0.00000010	
0.57768580	0.63755629	−0.50169163	0.08985557	−0.00570665	0.00015170	−0.00000152	
0.17393344	0.49884311	0.77013605	−0.35524460	0.03989770	−0.00162011	0.00002286	
0.02690186	0.11803320	0.34480640	0.89952700	−0.23881771	0.01643636	−0.00034391	
0.00225933	0.01278406	0.05021682	0.23629055	0.95886021	−0.14844957	0.00513127	
0.00009967	0.00066956	0.00315208	0.01993832	0.14795817	0.98596944	−0.07459702	
0.00000192	0.00001461	0.00007787	0.00059415	0.00605095	0.07452644	0.99720050	

KAPPA = −0.700000

J = 2, *E* +

0.99756762	−0.06970547
0.06970547	0.99756762

J = 3, *E* +

0.98844946	−0.15155089
0.15155089	0.98844946

J = 3, *O* +

0.99931795	−0.03692730
0.03692730	0.99931795

J = 3, *O* −

0.99913077	−0.04168576
0.04168576	0.99913077

J = 4, *E* +

0.96897302	−0.24715450	0.00243879
0.24708071	0.96832946	−0.03590519
0.00651258	0.03539374	0.99935222

J = 4, *O* +

0.99737091	−0.07246560
0.07246560	0.99737091

J = 4, *O* −

0.99607941	−0.08846363
0.08846363	0.99607941

J = 4, *E* −

0.99936309	−0.03568507
0.03568507	0.99936309

J = 5, *E* +

0.93947959	−0.34252677	0.00731537
0.34216463	0.93697632	−0.07070175
0.01736292	0.06892592	0.99747067

J = 5, *O* +

0.99370364	−0.11203158	0.00141715
0.11201473	0.99312375	−0.03402825
0.00240484	0.03397274	0.99941987

J = 5, *O* −

0.98869040	−0.14996276	0.00156878
0.14992884	0.98811070	−0.03403817
0.00355433	0.03388842	0.99941930

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

$J = 5, E-$

0.99756762	−0.06970547
0.06970547	0.99756762

$J = 6, E+$

0.90454622	−0.42606181	0.01635417	−0.00008993
0.42508581	0.89816536	−0.11224591	0.00137849
0.03313360	0.10846674	0.99300045	−0.03297335
0.00058821	0.00230134	0.03291668	0.99945528

$J = 6, O+$

0.98812174	−0.15362407	0.00388342
0.15354945	0.98599730	−0.06505304
0.00616468	0.06487662	0.99787425

$J = 6, O-$

0.97389800	−0.22694191	0.00447858
0.22674662	0.97177504	−0.06510939
0.01042387	0.06442541	0.99786808

$J = 6, E-$

0.99402242	−0.10916750	0.00137187
0.10915321	0.99347791	−0.03297291
0.00223664	0.03292556	0.99945530

$J = 7, E+$

0.86935882	−0.49318988	0.03128706	−0.00032402
0.49136410	0.85591859	−0.16109297	0.00370772
0.05266475	0.15532960	0.98450700	−0.06200893
0.00172887	0.00631070	0.06177496	0.99806866

$J = 7, O+$

0.98072165	−0.19524552	0.00801405	−0.00005460
0.19505341	0.97563263	−0.10046613	0.00130354
0.01179714	0.10008182	0.99438596	−0.03226494
0.00018001	0.00194771	0.03223201	0.99947850

$J = 7, O-$

0.94838532	−0.31697196	0.00969852	−0.00006003
0.31630200	0.94329998	−0.10068015	0.00130383
0.02276380	0.09854030	0.99434933	−0.03226496
0.00037920	0.00193148	0.03223130	0.99947850

$J = 7, E-$

0.98814413	−0.15348505	0.00367570
0.15341596	0.98621438	−0.06200593
0.00589196	0.06183471	0.99806901

$J = 8, E+$

0.83701391	−0.54450813	0.05401736	−0.00085651	0.00000341
0.54206323	0.81166670	−0.21750111	0.00760748	−0.00005359
0.07457731	0.21102005	0.97003880	−0.09450879	0.00125563
0.00365817	0.01336260	0.09379260	0.99498865	−0.03175831
0.00004876	0.00020487	0.00174973	0.03173427	0.99949479

$J = 8, O+$

0.97182079	−0.23529070	0.01423364	−0.00018366
0.23492774	0.96183429	−0.14025758	0.00339957
0.01931345	0.13959732	0.98820279	−0.05995687
0.00053878	0.00506592	0.05983697	0.99819516

$J = 8, O-$

0.91044192	−0.41323570	0.01821347	−0.00020750
0.41151522	0.90043953	−0.14089819	0.00340122
0.04182162	0.13572002	0.98804665	−0.05995703
0.00129911	0.00499805	0.05983133	0.99819514

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

$J = 8, E-$							
0.97946191	−0.20148980	0.00749799	−0.00005336				
0.20128770	0.97496273	−0.09449528	0.00125562				
0.01173004	0.09405563	0.99499113	−0.03175831				
0.00017214	0.00175300	0.03173432	0.99949479				
$J = 9, E+$							
0.80851719	−0.58209971	0.08634938	−0.00191305	0.00001404			
0.58026757	0.76421065	−0.28122389	0.01359153	−0.00017632			
0.09771126	0.27663024	0.94702781	−0.13059964	0.00320723			
0.00647917	0.02484389	0.12874565	0.98961817	−0.05849138			
0.00015683	0.00071007	0.00445002	0.05840572	0.99828275			
$J = 9, O+$							
0.96184063	−0.27265012	0.02289761	−0.00045647	0.00000212			
0.27211342	0.94448190	−0.18401680	0.00678572	−0.00005088			
0.02855676	0.18306959	0.97851247	−0.09045384	0.00122108			
0.00118065	0.01006796	0.09013449	0.99538357	−0.03137787			
0.00001399	0.00014107	0.00162477	0.03135927	0.99950685			
$J = 9, O-$							
0.86198226	−0.50597538	0.03122840	−0.00053181	0.00000232			
0.50240803	0.84444056	−0.18563452	0.00679231	−0.00005089			
0.06754778	0.17552992	0.97797904	−0.09045463	0.00122108			
0.00316927	0.00991405	0.09010527	0.99538341	−0.03137787			
0.00004055	0.00014097	0.00162440	0.03135927	0.99950685			
$J = 9, E-$							
0.96772416	−0.25166138	0.01328409	−0.00017513				
0.25120699	0.95908335	−0.13055225	0.00320714				
0.02011728	0.12963676	0.98963042	−0.05849138				
0.00054143	0.00447032	0.05840617	0.99828275				
$J = 10, E+$							
0.78375160	−0.60744109	0.12936057	−0.00382072	0.00004206	−0.00000013		
0.60904664	0.71096706	−0.35084632	0.02224169	−0.00043202	0.00000210		
0.12120597	0.35177407	0.91246053	−0.17011865	0.00628832	−0.00004902		
0.01022718	0.04234144	0.16587170	0.98128523	−0.08756175	0.00119505		
0.00036495	0.00183542	0.00866318	0.08733443	0.99565460	−0.03108168		
0.00000389	0.00002213	0.00011658	0.00153417	0.03106660	0.99951613		
$J = 10, O+$							
0.95120146	−0.30666302	0.03424393	−0.00096302	0.00000826			
0.30605419	0.92347528	−0.23105095	0.01181816	−0.00016258			
0.03926639	0.22988641	0.96449384	−0.12390559	0.00306969			
0.00218226	0.01741376	0.12319822	0.99056570	−0.05739158			
0.00004669	0.00044713	0.00407874	0.05732717	0.99834701			
$J = 10, O-$							
0.80819247	−0.58677495	0.05018705	−0.00116118	0.00000924			
0.58058344	0.77957395	−0.23462122	0.01183961	−0.00016264			
0.09852808	0.21831380	0.96294781	−0.12390880	0.00306970			
0.00632427	0.01727677	0.12308144	0.99056483	−0.05739158			
0.00014771	0.00045434	0.00407600	0.05732714	0.99834701			
$J = 10, E-$							
0.95296760	−0.30230924	0.02148703	−0.00042763	0.00000209			
0.30145537	0.93818553	−0.16997948	0.00628795	−0.00004902			
0.03123851	0.16834641	0.98133336	−0.08756171	0.00119505			
0.00125227	0.00874652	0.08733709	0.99565461	−0.03108168			
0.00001438	0.00011735	0.00153420	0.03106660	0.99951613			
$J = 11, E+$							
0.76220557	−0.62107045	0.18238610	−0.00703282	0.00010572	−0.00000060		
0.63083543	0.64958890	−0.42297670	0.03421722	−0.00090493	0.00000800		
0.14445519	0.43332983	0.86369696	−0.21276556	0.01078467	−0.00015331		
0.01488354	0.06719288	0.20405213	0.96923837	−0.11914070	0.00296687		
0.00071110	0.00401587	0.01470295	0.11862988	0.99121030	−0.05653576		
0.00001362	0.00008869	0.00036233	0.00380443	0.05648455	0.99839616		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

J = 11, *O*+

0.94025882	−0.33700578	0.04834402	−0.00182175	0.00002353	−0.00000008	
0.33657907	0.89874423	−0.28038735	0.01887101	−0.00038803	0.00000200	
0.05113600	0.27915546	0.94539042	−0.16018452	0.00593466	−0.00004761	
0.00360335	0.02751420	0.15881059	0.98321723	−0.08539135	0.00117473	
0.00011313	0.00105346	0.00787004	0.08522450	0.99585257	−0.03084454	
0.00000110	0.00001164	0.00010181	0.00146673	0.03083190	0.99952350	

J = 11, *O*−

0.75465309	−0.65161575	0.07674910	−0.00228199	0.00002692	−0.00000009	
0.64245913	0.71013084	−0.28740548	0.01893135	−0.00038827	0.00000200	
0.13275661	0.26519795	0.94146056	−0.16019524	0.00593468	−0.00004761	
0.01097835	0.02792706	0.15842329	0.98321338	−0.08539135	0.00117473	
0.00038018	0.00110834	0.00785650	0.08522428	0.99585257	−0.03084454	
0.00000393	0.00001253	0.00010168	0.00146673	0.03083190	0.99952350	

J = 11, *E*−

0.93551643	−0.35178015	0.03254134	−0.00089165	0.00000795		
0.35038770	0.91213706	−0.21241030	0.01078328	−0.00015331		
0.04507210	0.20983973	0.96939803	−0.11914049	0.00296687		
0.00244435	0.01496173	0.11864197	0.99121035	−0.05653576		
0.00005083	0.00036653	0.00380471	0.05648455	0.99839616		

J = 12, *E*+

0.74331793	0.62344806	0.24216354	−0.01215480	0.00023601	−0.00000199	0.00000001
0.64742299	−0.57977013	−0.49211876	0.05026199	−0.00171080	0.00002242	−0.00000008
0.16704695	−0.51494747	0.80000759	−0.25811489	0.01699577	−0.00035903	0.00000193
0.02038957	−0.09973932	0.24215698	0.95263480	−0.15313747	0.00567206	−0.00004651
0.00123169	−0.00775972	0.02287121	0.15210818	0.98451552	−0.08370256	0.00115842
0.00003451	−0.00025537	0.00084268	0.00726084	0.08357188	0.99600341	−0.03065039
0.00000031	−0.00000253	0.00000901	0.00009119	0.00141454	0.03063953	0.99952949

J = 12, *O*+

0.92928119	−0.36358299	0.06506736	−0.00318058	0.00005644	−0.00000036	
0.36377003	0.87031155	−0.33079613	0.02832784	−0.00079350	0.00000743	
0.06385696	0.32970607	0.92059711	−0.19903793	0.01005194	−0.00014637	
0.00548362	0.04067752	0.19663221	0.97277330	−0.11556305	0.00288708	
0.00022971	0.00211297	0.01329666	0.11519748	0.99167984	−0.05585081	
0.00000399	0.00004230	0.00031265	0.00360169	0.05580859	0.99843494	

J = 12, *O*−

0.70499771	0.70019141	0.11266295	−0.00415544	0.00006616	−0.00000040	
0.68870336	−0.63804145	−0.34318950	0.02848017	−0.00079434	0.00000743	
0.16843012	−0.31745742	0.91165924	−0.19906894	0.01005202	−0.00014637	
0.01722091	−0.04301569	0.19552479	0.97275896	−0.11556306	0.00288708	
0.00080331	−0.00234992	0.01324416	0.11519640	0.99167984	−0.05585081	
0.00001499	−0.00004858	0.00031172	0.00360166	0.05580859	0.99843494	

J = 12, *E*−

0.91590975	−0.39864021	0.04682414	−0.00167566	0.00002223	−0.00000008	
0.39663693	0.88101219	−0.25730884	0.01699136	−0.00035902	0.00000193	
0.06140331	0.25367391	0.95309819	−0.15313671	0.00567206	−0.00004651	
0.00425342	0.02350151	0.15215372	0.98451581	−0.08370256	0.00115842	
0.00013026	0.00085659	0.00726244	0.08357189	0.99600341	−0.03065039	
0.00000123	0.00000910	0.00009121	0.00141454	0.03063953	0.99952949	

J = 13, *E*+

0.72659837	0.61617132	0.30329644	−0.01996867	0.00048270	−0.00000550	0.00000003
0.66009638	−0.50429958	−0.55215495	0.07120808	−0.00300376	0.00005315	−0.00000035
0.18871407	−0.58870020	0.72373520	−0.30559648	0.02523278	−0.00072194	0.00000702
0.02665968	−0.13879507	0.27967130	0.93051736	−0.18935709	0.00951124	−0.00014100
0.00195901	−0.01350799	0.03353589	0.18743348	0.97510550	−0.11277869	0.00282337
0.00007304	−0.00060231	0.00168724	0.01214507	0.11249598	0.99203676	−0.05529021
0.00000116	−0.00001081	0.00003280	0.00027611	0.00344525	0.05525442	0.99846632

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

J = 13, *O*+

0.91845419	−0.38645335	0.08407437	−0.00521512	0.00012053	−0.00000115	0.00000000	
0.38785159	0.83837097	−0.38086423	0.04056530	−0.00146693	0.00002031	−0.00000008	
0.07714510	0.38015595	0.88973903	−0.24010209	0.01566570	−0.00033755	0.00000188	
0.00784259	0.05705180	0.23624360	0.95863757	−0.14783991	0.00546933	−0.00004562	
0.00041432	0.00380157	0.02066020	0.14712513	0.98545915	−0.08235101	0.00114504	
0.00001048	0.00011228	0.00072002	0.00681480	0.08224455	0.99612214	−0.03048850	
0.00000009	0.00000103	0.00000738	0.00008353	0.00137298	0.03047901	0.99953446	

J = 13, *O*−

0.66065925	0.73352949	0.15941419	−0.00713680	0.00014512	−0.00000130	0.00000000	
0.72193321	−0.56277144	−0.40053003	0.04091816	−0.00146940	0.00002032	−0.00000008	
0.20423577	−0.37565132	0.87134443	−0.24018155	0.01566600	−0.00033755	0.00000188	
0.02504666	−0.06393831	0.23345515	0.95859099	−0.14783996	0.00546933	−0.00004562	
0.00148654	−0.00455577	0.02049093	0.14712058	0.98545913	−0.08235101	0.00114504	
0.00004071	−0.00014039	0.00071563	0.00681464	0.08224455	0.99612214	−0.03048850	
0.00000035	−0.00000132	0.00000734	0.00008353	0.00137298	0.03047901	0.99953446	

J = 13, *E*−

0.89478881	−0.44178104	0.06460625	−0.00291962	0.00005255	−0.00000035		
0.43923474	0.84501484	−0.30395095	0.02522032	−0.00072189	0.00000702		
0.07987207	0.29928178	0.93172164	−0.18935463	0.00951123	−0.00014100		
0.00679676	0.03474061	0.18758169	0.97510666	−0.11277869	0.00282337		
0.00027886	0.00171653	0.01215209	0.11249607	0.99203676	−0.05529021		
0.00000473	0.00003298	0.00027623	0.00344526	0.05525442	0.99846632		

J = 14, *E*+

0.71165151	−0.60226753	0.36032776	−0.03144843	0.00092205	−0.00001344	0.00000009	−0.00000000
0.66978370	0.42807434	−0.59876565	0.09796425	−0.00498369	0.00011272	−0.00000110	0.00000000
0.20929620	0.64841596	0.63940130	−0.35444829	0.03581209	−0.00131477	0.00001884	−0.00000008
0.03359283	0.18198625	0.31712107	0.90177875	−0.22752129	0.01469001	−0.00032108	0.00000183
0.00291945	0.02150398	0.04726827	0.22411103	0.96248994	−0.14371484	0.00530815	−0.00004489
0.00013697	0.00122757	0.00308305	0.01869093	0.14316812	0.98617468	−0.08124483	0.00113387
0.00000316	0.00003244	0.00008897	0.00062744	0.00647101	0.08115549	0.99621800	−0.03035146
0.00000002	0.00000027	0.00000080	0.00000623	0.00007773	0.00133913	0.03034303	0.99953864

J = 14, *O*+

0.90789631	−0.40578992	0.10484652	−0.00812315	0.00023627	−0.00000305	0.00000002	
0.40911303	0.80333593	−0.42911933	0.05592987	−0.00252122	0.00004708	−0.00000033	
0.09075380	0.42904643	0.85271555	−0.28289291	0.02302725	−0.00066937	0.00000670	
0.01068161	0.07658515	0.27716788	0.94019625	−0.18206275	0.00909574	−0.00013672	
0.00068523	0.00630346	0.03026442	0.18077722	0.97679808	−0.11054990	0.00277132	
0.00002301	0.00025008	0.00142550	0.01131433	0.11032207	0.99231718	−0.05482289	
0.00000034	0.00000411	0.00002635	0.00025013	0.00332112	0.05479192	0.99849224	

J = 14, *O*−

0.62168743	0.75236686	0.21751306	−0.01169730	0.00029284	−0.00000352	0.00000002	
0.74501946	−0.48263030	−0.45693953	0.05669101	−0.00252783	0.00004711	−0.00000033	
0.23929541	−0.43871476	0.81829354	−0.28307598	0.02302819	−0.00066938	0.00000670	
0.03438317	−0.09205041	0.27092449	0.94006105	−0.18206293	0.00909574	−0.00013672	
0.00249848	−0.00824979	0.02979854	0.18076078	0.97679800	−0.11054990	0.00277132	
0.00009136	−0.00034536	0.00140940	0.01131356	0.11032207	0.99231718	−0.05482289	
0.00000142	−0.00000590	0.00002612	0.00025011	0.00332112	0.05479192	0.99849224	

J = 14, *E*−

0.87278759	−0.48044053	0.08599818	−0.00479756	0.00011104	−0.00000109	0.00000000	
0.47763070	0.80442339	−0.35141143	0.03577995	−0.00131461	0.00001884	−0.00000008	
0.10003588	0.34593105	0.90462472	−0.22751428	0.01468999	−0.00032108	0.00000183	
0.01016269	0.04900964	0.22453890	0.96249412	−0.14371484	0.00530815	−0.00004489	
0.00052823	0.00310836	0.01871691	0.14316853	0.98617468	−0.08124483	0.00113387	
0.00001309	0.00008809	0.00062812	0.00647103	0.08115549	0.99621800	−0.03035146	
0.00000011	0.00000078	0.00000624	0.00007773	0.00133913	0.03034303	0.99953864	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

J = 15, *E*+

0.69816750	−0.58516912	−0.40970316	−0.04774710	0.00166650	−0.00003000	0.00000027	−0.00000000
0.67716230	0.35570754	0.63053828	0.13146220	−0.00790446	0.00022034	−0.00000289	0.00000002
0.22871054	0.69182286	−0.55113407	−0.40362517	0.04904697	−0.00222982	0.00004294	−0.00000031
0.04108177	0.22675024	−0.35576586	0.86512219	−0.26726709	0.02141888	−0.00062942	0.00000645
0.00413254	0.03177591	−0.06494962	0.26144135	0.94615919	−0.17637768	0.00876665	−0.00013323
0.00023506	0.00223493	−0.00530957	0.02711329	0.17540313	0.97807807	−0.10872543	0.00272800
0.00000718	0.00007916	−0.00020759	0.00122614	0.01067283	0.10853592	0.99254328	−0.05442736
0.00000010	0.00000119	−0.00000336	0.00002192	0.00023053	0.00322028	0.05440012	0.99851400

J = 15, *O*+

0.89767669	−0.42185792	0.12674981	−0.01211456	0.00043305	−0.00000718	0.00000005	−0.00000000
0.42785997	0.76583005	−0.47417534	0.07470697	−0.00409718	0.00009777	−0.00000101	0.00000000
0.10447800	0.47501493	0.80969258	−0.32679130	0.03238962	−0.00120376	0.00001772	−0.00000007
0.01398694	0.09901975	0.31888120	0.91683924	−0.21800352	0.01394327	−0.00030805	0.00000180
0.00106002	0.00979227	0.04240749	0.21583687	0.96528592	−0.14041131	0.00517694	−0.00004428
0.00004471	0.00049378	0.00255854	0.01730580	0.13997524	0.98673585	−0.08032274	0.00112440
0.00000095	0.00001189	0.00006961	0.00056289	0.00619897	0.08024607	0.99629701	−0.03023395
0.00000001	0.00000009	0.00000059	0.00000545	0.00007320	0.00131103	0.03022637	0.99954222

J = 15, *O*−

0.58753179	0.75694481	0.28548257	−0.01844855	0.00055382	−0.00000845	0.00000006	−0.00000000
0.76039983	−0.39650758	−0.50866751	0.07625138	−0.00411339	0.00009788	−0.00000101	0.00000000
0.27303544	−0.50320169	0.75109695	−0.32717328	0.03239229	−0.00120377	0.00001772	−0.00000007
0.04510970	−0.12808673	0.30642794	0.91648270	−0.21800409	0.01394327	−0.00030805	0.00000180
0.00390251	−0.01405567	0.04130427	0.21578413	0.96528557	−0.14041131	0.00517694	−0.00004428
0.00018025	−0.00075666	0.00251112	0.01730264	0.13997521	0.98673585	−0.08032274	0.00112440
0.00000408	−0.00001907	0.00006867	0.00056281	0.00619897	0.08024607	0.99629701	−0.03023395
0.00000003	−0.00000015	0.00000059	0.00000545	0.00007320	0.00131103	0.03022637	0.99954222

J = 15, *E*−

0.85045709	−0.51416663	0.11090014	−0.00751829	0.00021604	−0.00000286	0.00000002
0.51163407	0.75958312	−0.39857373	0.04897014	−0.00222934	0.00004293	−0.00000031
0.12142877	0.39269593	0.87130000	−0.26724915	0.02141881	−0.00062942	0.00000645
0.01440578	0.06654882	0.26255526	0.94617256	−0.17637767	0.00876665	−0.00013323
0.00091362	0.00522401	0.02719690	0.17540473	0.97807808	−0.10872543	0.00272800
0.00003014	0.00019897	0.00122908	0.01067290	0.10853592	0.99254328	−0.05442736
0.00000043	0.00000316	0.00002196	0.00023053	0.00322028	0.05440012	0.99851400

KAPPA = −0.800000

J = 2, *E*+

0.99896712	−0.04543900
0.04543900	0.99896712

J = 3, *E*+

0.99494979	−0.10037384
0.10037384	0.99494979

J = 3, *O*+

0.99970006	−0.02449049
0.02449049	0.99970006

J = 3, *O*−

0.99964883	−0.02649933
0.02649933	0.99964883

J = 4, *E*+

0.98559923	−0.16909497	0.00102567
0.16907285	0.98532929	−0.02324986
0.00292081	0.02308846	0.99972916

J = 4, *O*+

0.99880759	−0.04882006
0.04882006	0.99880759

J = 4, *O*−

0.99845110	−0.05563629
0.05563629	0.99845110

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

J = 4, *E*−

0.99973108	−0.02318962
0.02318962	0.99973108

J = 5, *E*+

0.96930735	−0.24583286	0.00307693
0.24571337	0.96826402	−0.04571364
0.00825863	0.04506661	0.99894985

J = 5, *O*+

0.99703310	−0.07697157	0.00060733
0.07696619	0.99678927	−0.02207622
0.00109387	0.02205746	0.99975611

J = 5, *O*−

0.99562435	−0.09344369	0.00064868
0.09343520	0.99538054	−0.02207798
0.00141737	0.02204198	0.99975604

J = 5, *E*−

0.99896712	−0.04543900
0.04543900	0.99896712

J = 6, *E*+

0.94637918	−0.32298467	0.00688058	−0.00002453
0.32261585	0.94375587	−0.07241231	0.00057907
0.01689412	0.07074497	0.99712197	−0.02138941
0.00019780	0.00095899	0.02137485	0.99977105

J = 6, *O*+

0.99415081	−0.10798770	0.00167849
0.10796194	0.99325703	−0.04224556
0.00289482	0.04217967	0.99910585

J = 6, *O*−

0.99001627	−0.14094110	0.00184079
0.14089246	0.98912273	−0.04225562
0.00413479	0.04209310	0.99910514

J = 6, *E*−

0.99743669	−0.07155217	0.00057790
0.07154814	0.99720778	−0.02138936
0.00095417	0.02137588	0.99977105

J = 7, *E*+

0.91905180	−0.39391644	0.01317611	−0.00008842
0.39308397	0.91364288	−0.10363037	0.00155676
0.02878151	0.10039838	0.99371598	−0.04025354
0.00062839	0.00258634	0.04019570	0.99918828

J = 7, *O*+

0.99004262	−0.14072441	0.00350086	−0.00001515
0.14065085	0.98789889	−0.06536679	0.00054840
0.00574025	0.06520542	0.99763583	−0.02092990
0.00005803	0.00082103	0.02092090	0.99978080

J = 7, *O*−

0.98007945	−0.19856633	0.00396007	−0.00001611
0.19839653	0.97793693	−0.06540545	0.00054843
0.00911457	0.06488529	0.99763158	−0.02092990
0.00009778	0.00081869	0.02092085	0.99978080

J = 7, *E*−

0.99483884	−0.10145582	0.00155109
0.10143583	0.99402739	−0.04025319
0.00254209	0.04020277	0.99918831

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

J = 8, *E*+

0.89023257	−0.45493433	0.02281809	−0.00023385	0.00000060		
0.45343262	0.88029326	−0.13954372	0.00319197	−0.00001460		
0.04339100	0.13449850	0.98805539	−0.06142996	0.00052820		
0.00142909	0.00535618	0.06126078	0.99789377	−0.02060116		
0.00001261	0.00005244	0.00073826	0.02059464	0.99978763		

J = 8, *O*+

0.98471367	−0.17406691	0.00630000	−0.00005127			
0.17390717	0.98049605	−0.09155187	0.00143125			
0.00975937	0.09123391	0.99502076	−0.03892070			
0.00018156	0.00214025	0.03888777	0.99924128			

J = 8, *O*−

0.96403347	−0.26567825	0.00738463	−0.00005549			
0.26521919	0.95981946	−0.09166971	0.00143144			
0.01726637	0.09031691	0.99500247	−0.03892071			
0.00034613	0.00212815	0.03888734	0.99924128			

J = 8, *E*−

0.99086771	−0.13480031	0.00317262	−0.00001458			
0.13473951	0.98897499	−0.06142838	0.00052820			
0.00514300	0.06129268	0.99789396	−0.02060116			
0.00004924	0.00073851	0.02059464	0.99978763			

J = 9, *E*+

0.86222327	−0.50519252	0.03675969	−0.00052265	0.00000248		
0.50295477	0.84527899	−0.18029828	0.00569750	−0.00004803		
0.06000202	0.17375026	0.97927194	−0.08506028	0.00135002		
0.00269897	0.00973499	0.08464144	0.99563658	−0.03796811		
0.00004352	0.00017704	0.00188425	0.03794494	0.99927804		

J = 9, *O*+

0.97827822	−0.20704018	0.01029906	−0.00012830	0.00000038		
0.20675259	0.97091215	−0.12072609	0.00286023	−0.00001388		
0.01499718	0.12019041	0.99089495	−0.05879015	0.00051367		
0.00041659	0.00426992	0.05870151	0.99805883	−0.02035429		
0.00000327	0.00003874	0.00068430	0.02034924	0.99979270		

J = 9, *O*−

0.94036541	−0.33993363	0.01256988	−0.00014164	0.00000040		
0.33889075	0.93300383	−0.12103193	0.00286098	−0.00001388		
0.02941349	0.11803007	0.99083157	−0.05879021	0.00051367		
0.00089444	0.00422898	0.05869926	0.99805882	−0.02035429		
0.00000742	0.00003855	0.00068428	0.02034924	0.99979270		

J = 9, *E*−

0.98524569	−0.17105285	0.00564321	−0.00004790			
0.17090852	0.98160795	−0.08505465	0.00135001			
0.00900990	0.08475378	0.99563750	−0.03796811			
0.00015866	0.00188593	0.03794496	0.99927804			

J = 10, *E*+

0.83629344	−0.54541368	0.05600086	−0.00104466	0.00000745	−0.00000002	
0.54269801	0.80891192	−0.22595055	0.00931214	−0.00011767	0.00000037	
0.07792184	0.21890335	0.96625755	−0.11112529	0.00264950	−0.00001337	
0.00450838	0.01632611	0.11019518	0.99213497	−0.05690434	0.00050272	
0.00010790	0.00044904	0.00368957	0.05684317	0.99817259	−0.02016209	
0.00000076	0.00000347	0.00003201	0.00064595	0.02015799	0.99979660	

J = 10, *O*+

0.97092504	−0.23886778	0.01570588	−0.00027286	0.00000149		
0.23842192	0.95906548	−0.15272030	0.00499032	−0.00004438		
0.02142204	0.15192216	0.98485971	−0.08068732	0.00129213		
0.00080638	0.00743186	0.08048749	0.99603116	−0.03725322		
0.00001150	0.00012357	0.00172025	0.03723573	0.99930502		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

J = 10, *O*−

0.90862494	−0.41713098	0.02005900	−0.00030795	0.00000160			
0.41506694	0.89674743	−0.15342279	0.00499278	−0.00004439			
0.04600472	0.14762131	0.98467221	−0.08068757	0.00129213			
0.00192603	0.00733001	0.08047835	0.99603112	−0.03725322			
0.00002929	0.00012288	0.00172011	0.03723573	0.99930502			

J = 10, *E*−

0.97776083	−0.20952207	0.00917898	−0.00011717	0.00000037			
0.20923026	0.97153003	−0.11110837	0.00264948	−0.00001337			
0.01436381	0.11052704	0.99213865	−0.05690433	0.00050272			
0.00037821	0.00369698	0.05684330	0.99817259	−0.02016209			
0.00000284	0.00003205	0.00064595	0.02015799	0.99979660			

J = 11, *E*+

0.81288579	−0.57669381	0.08146927	−0.00192482	0.00001874	−0.00000007		
0.57431911	0.77045555	−0.27631715	0.01430318	−0.00024643	0.00000141		
0.09657442	0.27046661	0.94764264	−0.13954897	0.00455031	−0.00004185		
0.00689885	0.02587181	0.13764134	0.98707654	−0.07756460	0.00124883		
0.00022268	0.00097981	0.00631410	0.07742825	0.99630182	−0.03669692		
0.00000284	0.00001385	0.00009994	0.00160391	0.03668300	0.99932566		

J = 11, *O*+

0.96287679	−0.26898488	0.02269681	−0.00052104	0.00000427	−0.00000001		
0.26838170	0.94490011	−0.18727309	0.00798893	−0.00010603	0.00000035		
0.02894141	0.18619953	0.97649557	−0.10460537	0.00250047	−0.00001299		
0.00139326	0.01185603	0.10420645	0.99293464	−0.05548937	0.00049417		
0.00002933	0.00029411	0.00332595	0.05544409	0.99825572	−0.02000821		
0.00000019	0.00000211	0.00002781	0.00061742	0.02000477	0.99979969		

J = 11, *O*−

0.87002852	−0.49205719	0.03049149	−0.00060256	0.00000466	−0.00000001		
0.48843021	0.85191031	−0.18873477	0.00799583	−0.00010605	0.00000035		
0.06688103	0.17886396	0.97660507	−0.10460621	0.00250047	−0.00001299		
0.00363613	0.01166824	0.10417533	0.99293445	−0.05548937	0.00049417		
0.00008241	0.00029333	0.00332524	0.05544408	0.99825572	−0.02000821		
0.00000056	0.00000212	0.00002780	0.00061742	0.02000477	0.99979969		

J = 11, *E*−

0.96830083	−0.24939373	0.01400757	−0.00024491	0.00000141			
0.24886979	0.95842666	−0.13950431	0.00455020	−0.00004185			
0.02137156	0.13849511	0.98708892	−0.07756459	0.00124883			
0.00076486	0.00633997	0.07742886	0.99630183	−0.03669692			
0.00001043	0.00010023	0.00160391	0.03668300	0.99932566			

J = 12, *E*+

0.79196912	−0.59985399	0.11379372	−0.00333088	0.00004187	−0.00000023	0.00000000	
0.59945333	0.72858357	−0.33072919	0.02096818	−0.00046578	0.00000396	−0.00000001	
0.11551068	0.32833059	0.92186334	−0.17021355	0.00718459	−0.00009808	0.00000034	
0.00988600	0.03919765	0.16654959	0.98011784	−0.09995174	0.00238973	−0.00001269	
0.00040652	0.00193382	0.00991687	0.09968046	0.99348035	−0.05438845	0.00048731	
0.00000763	0.00004075	0.00023347	0.00306713	0.05435295	0.99831908	−0.01988222	
0.00000004	0.00000026	0.00000160	0.00002490	0.00059537	0.01987927	0.99980221	

J = 12, *O*+

0.95435523	−0.29701741	0.03139914	−0.00091974	0.00001031	−0.00000004		
0.29631200	0.92836913	−0.22402023	0.01203541	−0.00021710	0.00000131		
0.03742166	0.22269986	0.96538063	−0.13048621	0.00424099	−0.00003995		
0.00221524	0.01777171	0.12975950	0.98852516	−0.07522142	0.00121523		
0.00006261	0.00059877	0.00563420	0.07512228	0.99649905	−0.03625169		
0.00000072	0.00000778	0.00008548	0.00151779	0.03624020	0.99934195		

J = 12, *O*−

0.82723570	−0.56008038	0.04460798	−0.00109244	0.00001143	−0.00000005		
0.55435315	0.80068815	−0.22681657	0.01205281	−0.00021717	0.00000131		
0.09129785	0.21189694	0.96421942	−0.13048871	0.00424099	−0.00003995		
0.00619231	0.01754377	0.12966709	0.98852444	−0.07522142	0.00121523		
0.00019012	0.00060312	0.00563135	0.07512224	0.99649905	−0.03625169		
0.00000232	0.00000794	0.00008545	0.00151779	0.03624020	0.99934195		

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

J = 12, *E* −

0.95687465	−0.28978632	0.02036111	−0.00046175	0.00000395	−0.00000001	
0.28893148	0.94208834	−0.17010745	0.00718426	−0.00009808	0.00000034	
0.03012612	0.16850385	0.98015449	−0.09995170	0.00238973	−0.00001269	
0.00138474	0.00999262	0.09968278	0.99348036	−0.05438845	0.00048731	
0.00002793	0.00023471	0.00306718	0.05435295	0.99831908	−0.01988222	
0.00000017	0.00000161	0.00002490	0.00059537	0.01987927	0.99980221	

J = 13, *E* +

0.77330401	−0.61528388	0.15295950	−0.00548168	0.00008573	−0.00000063	0.00000000
0.61948223	0.68192452	−0.38773922	0.02963695	−0.00081759	0.00000939	−0.00000004
0.13439105	0.39132567	0.88740980	−0.20295993	0.01069342	−0.00019744	0.00000124
0.01346353	0.05706514	0.19634327	0.97088306	−0.12402258	0.00401248	−0.00003849
0.00067874	0.00353269	0.01465084	0.12352519	0.98950757	−0.07339824	0.00118840
0.00001705	0.00010109	0.00046783	0.00514506	0.07332149	0.99664907	−0.03588728
0.00000018	0.00000117	0.00000582	0.00007551	0.00145152	0.03587754	0.99935514

J = 13, *O* +

0.94555816	−0.32274447	0.04187400	−0.00152755	0.00002216	−0.00000013	0.00000000
0.32206715	0.90943591	−0.26248617	0.01731865	−0.00040205	0.00000360	−0.00000001
0.04670742	0.26099110	0.95111489	−0.15823613	0.00662178	−0.00009221	0.00000033
0.00330369	0.02539247	0.15700592	0.98253948	−0.09645880	0.00230424	−0.00001244
0.00011853	0.00109950	0.00878331	0.09626497	0.99387696	−0.05350744	0.00048168
0.00000201	0.00002110	0.00019714	0.00287647	0.05347848	0.99836897	−0.01977717
0.00000001	0.00000013	0.00000130	0.00002280	0.00057783	0.01977458	0.99980430

J = 13, *O* −

0.78333406	−0.61837234	0.06324486	−0.00186806	0.00002499	−0.00000015	0.00000000
0.61018132	0.74555157	−0.26745116	0.01735893	−0.00040223	0.00000360	−0.00000001
0.11820361	0.24723293	0.94858797	−0.15824281	0.00662179	−0.00009221	0.00000033
0.00970888	0.02535970	0.15676037	0.98253712	−0.09645880	0.00230424	−0.00001244
0.00038162	0.00113012	0.00877359	0.09626483	0.99387696	−0.05350744	0.00048168
0.00000688	0.00002209	0.00019698	0.00287647	0.05347848	0.99836897	−0.01977717
0.00000004	0.00000013	0.00000130	0.00002280	0.00057783	0.01977458	0.99980430

J = 13, *E* −

0.94361453	−0.32981907	0.02846648	−0.00080794	0.00000935	−0.00000004	
0.32853463	0.92241612	−0.20272919	0.01069249	−0.00019744	0.00000124	
0.04063585	0.20036810	0.97098078	−0.12402246	0.00401248	−0.00003849	
0.00230892	0.01484185	0.12353289	0.98950761	−0.07339824	0.00118840	
0.00006265	0.00047197	0.00514529	0.07332149	0.99664907	−0.03588728	
0.00000070	0.00000586	0.00007552	0.00145152	0.03587754	0.99935514	

J = 14, *E* +

0.75659186	−0.62314741	0.19794220	−0.00865596	0.00016399	−0.00000155	0.00000001	−0.00000000
0.63549948	0.62968606	−0.44494907	0.04067381	−0.00135610	0.00001992	−0.00000013	0.00000000
0.15296415	0.45690054	0.84330651	−0.23758374	0.01522570	−0.00036009	0.00000334	−0.00000001
0.01760745	0.07992581	0.22637517	0.95896087	−0.14970510	0.00620819	−0.00008771	0.00000032
0.00105827	0.00603960	0.02066139	0.14884719	0.98416856	−0.09374048	0.00223626	−0.00001225
0.00003365	0.00022207	0.00084839	0.00795044	0.09359217	0.99417800	−0.05278641	0.00047698
0.00000052	0.00000379	0.00001559	0.00017198	0.00273028	0.05276210	0.99840926	−0.01968824
0.00000000	0.00000002	0.00000009	0.00000110	0.00002122	0.00056355	0.01968594	0.99980605

J = 14, *O* +

0.93664839	−0.34605910	0.05410232	−0.00241529	0.00004377	−0.00000036	0.00000000
0.34562993	0.88809151	−0.30208497	0.02403349	−0.00069258	0.00000835	−0.00000004
0.05663727	0.30052496	0.93334905	−0.18772658	0.00975736	−0.00018306	0.00000119
0.00468195	0.03489717	0.18576905	0.97469705	−0.11916819	0.00383689	−0.00003732
0.00020536	0.00187135	0.01291738	0.11881932	0.99021965	−0.07193919	0.00116648
0.00000464	0.00004834	0.00039099	0.00478644	0.07187724	0.99676698	−0.03558352
0.00000005	0.00000052	0.00000466	0.00006836	0.00139900	0.03557509	0.99936602

J = 14, *O* −

0.74082328	−0.66599495	0.08730579	−0.00304872	0.00005028	−0.00000039	0.00000000
0.65536125	0.68820556	−0.31031027	0.02412046	−0.00069307	0.00000835	−0.00000004
0.14655753	0.28556794	0.92823986	−0.18774282	0.00975741	−0.00018306	0.00000119
0.01424454	0.03564888	0.18517490	0.97469007	−0.11916820	0.00383689	−0.00003732
0.00068999	0.00198793	0.01288828	0.11881877	0.99021965	−0.07193919	0.00116648
0.00001668	0.00005265	0.00039033	0.00478642	0.07187724	0.99676698	−0.03558352
0.00000017	0.00000057	0.00000466	0.00006836	0.00139900	0.03557509	0.99936602

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

J = 14, *E*−

0.92875734	−0.36867768	0.03853290	−0.00133475	0.00001980	−0.00000013	0.00000000	
0.36688723	0.89940889	−0.23711922	0.01522332	−0.00036009	0.00000334	−0.00000001	
0.05282546	0.23387021	0.95919974	−0.14970472	0.00620819	−0.00008771	0.00000032	
0.00360809	0.02108064	0.14887006	0.98416869	−0.09374048	0.00223626	−0.00001225	
0.00012462	0.00085954	0.00795133	0.09359218	0.99417800	−0.05278641	0.00047698	
0.00000204	0.00001572	0.00017199	0.00273028	0.05276210	0.99840926	−0.01968824	
0.00000001	0.00000009	0.00000110	0.00002122	0.00056355	0.01968594	0.99980605	

J = 15, *E*+

0.74154403	0.62381006	0.24657473	−0.01320107	0.00029688	−0.00000346	0.00000002	−0.00000000
0.64834871	−0.57223162	−0.49922168	0.05447954	−0.00215008	0.00003895	−0.00000033	0.00000000
0.17104835	−0.52127425	0.78968024	−0.27382845	0.02093651	−0.00061183	0.00000761	−0.00000004
0.02228036	−0.10765928	0.25610939	0.94389869	−0.17690101	0.00907276	−0.00017213	0.00000114
0.00156271	−0.00971715	0.02810085	0.17548875	0.97723533	−0.11538894	0.00369781	−0.00003636
0.00006061	−0.00044234	0.00143309	0.01159934	0.11512483	0.99075895	−0.07074507	0.00114824
0.00000125	−0.00001016	0.00003547	0.00033717	0.00451221	0.07069349	0.99686208	−0.03532641
0.00000001	−0.00000010	0.00000037	0.00000389	0.00006299	0.00135636	0.03531900	0.99937517

J = 15, *O*+

0.92775163	−0.36693676	0.06797712	−0.00366580	0.00008090	−0.00000085	0.00000000	−0.00000000
0.36706938	0.86438073	−0.34213531	0.03237577	−0.00112879	0.00001736	−0.00000012	0.00000000
0.06705497	0.34064720	0.91181361	−0.21879074	0.01376788	−0.00032968	0.00000314	−0.00000001
0.00636501	0.04640959	0.21584089	0.96470263	−0.14329152	0.00589168	−0.00008415	0.00000032
0.00033213	0.00300044	0.01818486	0.14270204	0.98534637	−0.09156473	0.00218093	−0.00001208
0.00000948	0.00009876	0.00070332	0.00734304	0.09144616	0.99441422	−0.05218542	0.00047300
0.00000013	0.00000155	0.00001232	0.00015407	0.00261477	0.05216455	0.99844247	−0.01961198
0.00000000	0.00000001	0.00000007	0.00000096	0.00001998	0.00055169	0.01960991	0.99980755

J = 15, *O*−

0.70119992	0.70316822	0.11768680	−0.00478867	0.00009481	−0.00000095	0.00000000	−0.00000000
0.69074016	−0.62919065	−0.35487489	0.03255293	−0.00113000	0.00001737	−0.00000012	0.00000000
0.17550728	−0.32749715	0.90214622	−0.21882719	0.01376801	−0.00032968	0.00000314	−0.00000001
0.01981328	−0.04907179	0.21451686	0.96468374	−0.14329154	0.00589168	−0.00008415	0.00000032
0.00115037	−0.00333878	0.01810672	0.14270026	0.98534636	−0.09156473	0.00218093	−0.00001208
0.00003530	−0.00011351	0.00070104	0.00734297	0.09144615	0.99441422	−0.05218542	0.00047300
0.00000053	−0.00000182	0.00001229	0.00015407	0.00261477	0.05216455	0.99844247	−0.01961198
0.00000000	−0.00000001	0.00000007	0.00000096	0.00001998	0.00055169	0.01960991	0.99980755

J = 15, *E*−

0.91261057	−0.40566402	0.05073672	−0.00210581	0.00003863	−0.00000033	0.00000000	
0.40334189	0.87313899	−0.27295631	0.02093084	−0.00061181	0.00000761	−0.00000004	
0.06654784	0.26875181	0.94444052	−0.17690000	0.00907276	−0.00017213	0.00000114	
0.00534744	0.02890240	0.17555060	0.97723577	−0.11538894	0.00369781	−0.00003636	
0.00022652	0.00145750	0.01160233	0.11512486	0.99075895	−0.07074507	0.00114824	
0.00000495	0.00003581	0.00033724	0.00451221	0.07069349	0.99686208	−0.03532641	
0.00000005	0.00000037	0.00000389	0.00006299	0.00135636	0.03531900	0.99937517	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000							
$J = 2, E+$							
0.99975379	−0.02218938						
0.02218938	0.99975379						
$J = 3, E+$							
0.99877555	−0.04947116						
0.04947116	0.99877555						
$J = 3, O+$							
0.99992586	−0.01217648						
0.01217648	0.99992586						
$J = 3, O-$							
0.99991994	−0.01265377						
0.01265377	0.99991994						
$J = 4, E+$							
0.99637300	−0.08509286	0.00024318					
0.08509016	0.99630905	−0.01131143					
0.00072024	0.01129110	0.99993599					
$J = 4, O+$							
0.99969670	−0.02462743						
0.02462743	0.99969670						
$J = 4, O-$							
0.99965528	−0.02625511						
0.02625511	0.99965528						
$J = 4, E-$							
0.99993610	−0.01130446						
0.01130446	0.99993610						
$J = 5, E+$							
0.99173973	−0.12826449	0.00072954					
0.12824893	0.99149303	−0.02222127					
0.00212687	0.02213128	0.99975281					
$J = 5, O+$							
0.99921755	−0.03955092	0.00014652					
0.03955021	0.99915974	−0.01075151					
0.00027883	0.01074889	0.99994219					
$J = 5, O-$							
0.99905231	−0.04352529	0.00015130					
0.04352440	0.99899451	−0.01075161					
0.00031682	0.01074800	0.99994219					
$J = 5, E-$							
0.99975379	−0.02218938						
0.02218938	0.99975379						
$J = 6, E+$							
0.98413040	−0.17743925	0.00163135	−0.00000283				
0.17738626	0.98351336	−0.03515075	0.00013721				
0.00463264	0.03488182	0.99932642	−0.01041663				
0.00002671	0.00022792	0.01041501	0.99994574				
$J = 6, O+$							
0.99838916	−0.05673549	0.00040800					
0.05673185	0.99817722	−0.02058463					
0.00076062	0.02057461	0.99978803					
$J = 6, O-$							
0.99789591	−0.06483488	0.00042674					
0.06482992	0.99768398	−0.02058520					
0.00090889	0.02056955	0.99978801					

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

$J = 6, E-$							
0.99938555	−0.03505012	0.00013714					
0.03504965	0.99933128	−0.01041663					
0.00022806	0.01041503	0.99994574					
$J = 7, E+$							
0.97309307	−0.23039122	0.00312402	−0.00001021				
0.23025443	0.97183454	−0.05020350	0.00036876				
0.00853024	0.04956954	0.99854168	−0.01961138				
0.00009233	0.00061152	0.01960510	0.99980761				
$J = 7, O+$							
0.99711844	−0.07585567	0.00085875	−0.00000178				
0.07584443	0.99660986	−0.03188104	0.00013004				
0.00156252	0.03185397	0.99943934	−0.01019283				
0.00000784	0.00019495	0.01019180	0.99994804				
$J = 7, O-$							
0.99589518	−0.09050946	0.00091174	−0.00000183				
0.09049243	0.99538664	−0.03188323	0.00013004				
0.00197820	0.03183453	0.99943922	−0.01019283				
0.00001022	0.00019488	0.01019180	0.99994804				
$J = 7, E-$							
0.99875185	−0.04994596	0.00036844					
0.04994357	0.99855948	−0.01961137					
0.00061160	0.01960530	0.99980761					
$J = 8, E+$							
0.95866195	−0.28449601	0.00541162	−0.00002701	0.00000003			
0.28420252	0.95639040	−0.06742223	0.00075582	−0.00000168			
0.01400511	0.06616533	0.99726074	−0.02995010	0.00012525			
0.00023065	0.00125168	0.02993235	0.99950076	−0.01003271			
0.00000101	0.00000589	0.00017529	0.01003196	0.99994966			
$J = 8, O+$							
0.99532812	−0.09653751	0.00156227	−0.00000605				
0.09651057	0.99432659	−0.04472389	0.00033953				
0.00276414	0.04466411	0.99881827	−0.01896170				
0.00002567	0.00050881	0.01895789	0.99982015				
$J = 8, O-$							
0.99266984	−0.12084590	0.00168738	−0.00000628				
0.12080004	0.99166850	−0.04473066	0.00033953				
0.00373218	0.04460499	0.99881776	−0.01896170				
0.00003600	0.00050841	0.01895789	0.99982015				
$J = 8, E-$							
0.99776277	−0.06684967	0.00075474	−0.00000168				
0.06684225	0.99731394	−0.02995006	0.00012525				
0.00124945	0.02993325	0.99950077	−0.01003271				
0.00000584	0.00017529	0.01003196	0.99994966				
$J = 9, E+$							
0.94139152	−0.33720297	0.00872737	−0.00006040	0.00000014			
0.33665503	0.93761391	−0.08684315	0.00134842	−0.00000554			
0.02109918	0.08467191	0.99531985	−0.04151843	0.00032024			
0.00047933	0.00223273	0.04147636	0.99896564	−0.01849727			
0.00000384	0.00001943	0.00044805	0.01849460	0.99982886			
$J = 9, O+$							
0.99296449	−0.11838424	0.00258712	−0.00001522	0.00000002			
0.11832941	0.99121242	−0.05912387	0.00067893	−0.00000160			
0.00443499	0.05900915	0.99783604	−0.02866134	0.00012181			
0.00006191	0.00101694	0.02865107	0.99953980	−0.00991247			
0.00000024	0.00000448	0.00016237	0.00991189	0.99995086			

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

J = 9, *O*−

0.98774319	−0.15606174	0.00284889	−0.00001597	0.00000002		
0.15595560	0.98599171	−0.05914170	0.00067895	−0.00000160		
0.00642072	0.05885620	0.99783427	−0.02866134	0.00012181		
0.00009395	0.00101539	0.02865104	0.99953980	−0.00991247		
0.00000038	0.00000448	0.00016237	0.00991189	0.99995086		

J = 9, *E*−

0.99632046	−0.08569551	0.00134537	−0.00000554			
0.08567735	0.99545744	−0.04151827	0.00032024			
0.00221869	0.04147958	0.99896565	−0.01849727			
0.00001912	0.00044808	0.01849460	0.99982886			

J = 10, *E*+

0.92219646	−0.38649178	0.01333341	−0.00012077	0.00000042	−0.00000000	
0.38557734	0.91627054	−0.10850604	0.00220242	−0.00001357	0.00000002	
0.02971594	0.10516197	0.99252486	−0.05433171	0.00062883	−0.00000154	
0.00087804	0.00365443	0.05424291	0.99813528	−0.02774038	0.00011921	
0.00001052	0.00004787	0.00087946	0.02773336	0.99956674	−0.00981885	
0.00000004	0.00000018	0.00000370	0.00015325	0.00981838	0.99995179	

J = 10, *O*+

0.99000193	−0.14099694	0.00400575	−0.00003259	0.00000009		
0.14089785	0.98717313	−0.07507065	0.00118564	−0.00000513		
0.00663053	0.07487273	0.99639318	−0.03937832	0.00030650		
0.00012641	0.00177475	0.03935505	0.99905888	−0.01814873		
0.00000090	0.00001434	0.00040853	0.01814671	0.99983525		

J = 10, *O*−

0.98055159	−0.19620975	0.00450722	−0.00003456	0.00000009		
0.19598932	0.97772435	−0.07511246	0.00118571	−0.00000513		
0.01033079	0.07452316	0.99638789	−0.03937832	0.00030650		
0.00020848	0.00176993	0.03935493	0.99905888	−0.01814873		
0.00000154	0.00001431	0.00040853	0.01814671	0.99983525		

J = 10, *E*−

0.99432270	−0.10638399	0.00219495	−0.00001356	0.00000002		
0.10634568	0.99284355	−0.05433123	0.00062883	−0.00000154		
0.00360083	0.05425269	0.99813533	−0.02774038	0.00011921		
0.00004652	0.00087956	0.02773336	0.99956674	−0.00981885		
0.00000017	0.00000370	0.00015325	0.00981838	0.99995179		

J = 11, *E*+

0.90208971	−0.43110682	0.01951969	−0.00022265	0.00000105	−0.00000000	
0.42971974	0.89318819	−0.13245518	0.00337990	−0.00002843	0.00000008	
0.03966051	0.12778878	0.98864506	−0.06838743	0.00108080	−0.00000483	
0.00146431	0.00563772	0.06821482	0.99693538	−0.03784922	0.00029623	
0.00002384	0.00010119	0.00151068	0.03783361	0.99912298	−0.01787750	
0.00000015	0.00000068	0.00001159	0.00038077	0.01787590	0.99984014	

J = 11, *O*+

0.98644387	−0.16399320	0.00589281	−0.00006271	0.00000025	−0.00000000	
0.16383007	0.98213661	−0.09254065	0.00190054	−0.00001225	0.00000002	
0.00938899	0.09222703	0.99437992	−0.05112965	0.00059345	−0.00000150	
0.00023087	0.00284250	0.05108277	0.99832396	−0.02704940	0.00011718	
0.00000244	0.00003424	0.00079081	0.02704418	0.99958644	−0.00974389	
0.00000001	0.00000012	0.00000321	0.00014646	0.00974350	0.99995252	

J = 11, *O*−

0.97048472	−0.24106697	0.00679041	−0.00006729	0.00000026	−0.00000000	
0.24064616	0.96618086	−0.09263019	0.00190073	−0.00001225	0.00000002	
0.01576877	0.09150543	0.99436588	−0.05112966	0.00059345	−0.00000150	
0.00041473	0.00282979	0.05108234	0.99832396	−0.02704940	0.00011718	
0.00000456	0.00003415	0.00079080	0.02704418	0.99958644	−0.00974389	
0.00000001	0.00000012	0.00000321	0.00014646	0.00974350	0.99995252	

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

J = 11, *E*−

0.99166743	−0.12878041	0.00336334	−0.00002838	0.00000008		
0.12870770	0.98932123	−0.06838615	0.00108080	−0.00000483		
0.00547965	0.06824095	0.99693555	−0.03784922	0.00029623		
0.00009651	0.00151107	0.03783361	0.99912298	−0.01787750		
0.00000065	0.00001159	0.00038078	0.01787590	0.99984014		

J = 12, *E*+

0.88195662	−0.47052159	0.02760101	−0.00038556	0.00000236	−0.00000001	0.00000000
0.46859129	0.86902288	−0.15873539	0.00494933	−0.00005372	0.00000022	−0.00000000
0.05069091	0.15277182	0.98340576	−0.08367431	0.00170833	−0.00001133	0.00000002
0.00227076	0.00833040	0.08335870	0.99528434	−0.04884190	0.00056715	−0.00000146
0.00004747	0.00019393	0.00238580	0.04881097	0.99845324	−0.02651179	0.00011555
0.00000045	0.00000195	0.00002717	0.00072890	0.02650770	0.99960145	−0.00968253
0.00000000	0.00000001	0.00000009	0.00000288	0.00014122	0.00968218	0.99995312

J = 12, *O*+

0.98232033	−0.18702269	0.00832318	−0.00011166	0.00000060	−0.00000000	
0.18677412	0.97605098	−0.11149750	0.00286830	−0.00002511	0.00000007	
0.01272997	0.11103438	0.99167693	−0.06391531	0.00100729	−0.00000461	
0.00038845	0.00428541	0.06382868	0.99727642	−0.03670205	0.00028826	
0.00000554	0.00007011	0.00134187	0.03669065	0.99916971	−0.01766043	
0.00000003	0.00000044	0.00000988	0.00036026	0.01765911	0.99984400	

J = 12, *O*−

0.95696957	−0.29002120	0.00984499	−0.00012137	0.00000063	−0.00000000	
0.28927220	0.95070601	−0.11167560	0.00286878	−0.00002511	0.00000007	
0.02302722	0.10967068	0.99164303	−0.06391534	0.00100729	−0.00000461	
0.00075974	0.00425611	0.06382737	0.99727642	−0.03670205	0.00028826	
0.00001136	0.00006984	0.00134185	0.03669065	0.99916971	−0.01766043	
0.00000007	0.00000044	0.00000988	0.00036026	0.01765911	0.99984400	

J = 12, *E*−

0.98825832	−0.15271323	0.00491536	−0.00005361	0.00000022	−0.00000000	
0.15258587	0.98474046	−0.08367119	0.00170832	−0.00001133	0.00000002	
0.00793802	0.08342186	0.99528485	−0.04884190	0.00056715	−0.00000146	
0.00018025	0.00238701	0.04881098	0.99845324	−0.02651179	0.00011555	
0.00000179	0.00002718	0.00072890	0.02650770	0.99960145	−0.00968253	
0.00000001	0.00000009	0.00000288	0.00014122	0.00968218	0.99995312	

J = 13, *E*+

0.86244142	−0.50473475	0.03791070	−0.00063505	0.00000483	−0.00000002	0.00000000
0.50226489	0.84413807	−0.18738219	0.00698566	−0.00009428	0.00000053	−0.00000000
0.06255972	0.18036555	0.97647999	−0.10017435	0.00254624	−0.00002283	0.00000007
0.00332366	0.01191184	0.09962385	0.99309330	−0.06072012	0.00095297	−0.00000445
0.00008589	0.00034675	0.00355185	0.06066373	0.99750928	−0.03580959	0.00028190
0.00000109	0.00000473	0.00005468	0.00122449	0.03580075	0.99920526	−0.01748276
0.00000001	0.00000003	0.00000033	0.00000873	0.00034448	0.01748164	0.99984713

J = 13, *O*+

0.97768284	−0.20977836	0.01136970	−0.00018729	0.00000129	−0.00000000	0.00000000
0.20942423	0.96888044	−0.13189033	0.00413728	−0.00004653	0.00000020	−0.00000000
0.01665472	0.13124634	0.98815634	−0.07772759	0.00157437	−0.00001066	0.00000002
0.00061321	0.00617314	0.07757780	0.99585244	−0.04712559	0.00054685	−0.00000144
0.00001118	0.00012980	0.00209647	0.04710330	0.99854725	−0.02608158	0.00011422
0.00000009	0.00000121	0.00002282	0.00068335	0.02607825	0.99961327	−0.00963135
0.00000000	0.00000000	0.00000007	0.00000263	0.00013705	0.00963106	0.99995361

J = 13, *O*−

0.93959806	−0.34199994	0.01383754	−0.00020645	0.00000137	−0.00000000	0.00000000
0.34074636	0.93080169	−0.13222330	0.00413837	−0.00004654	0.00000020	−0.00000000
0.03233730	0.12886763	0.98808065	−0.07772768	0.00157437	−0.00001066	0.00000002
0.00130157	0.00611324	0.07757425	0.99585242	−0.04712559	0.00054685	−0.00000144
0.00002503	0.00012915	0.00209641	0.04710330	0.99854725	−0.02608158	0.00011422
0.00000022	0.00000121	0.00002282	0.00068335	0.02607825	0.99961327	−0.00963135
0.00000000	0.00000000	0.00000007	0.00000263	0.00013705	0.00963106	0.99995361

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

J = 13, *E*−

0.98401083	−0.17797409	0.00692026	−0.00009402	0.00000053	−0.00000000		
0.17776498	0.97895844	−0.10016735	0.00254623	−0.00002283	0.00000007		
0.01105406	0.09976446	0.99309467	−0.06072012	0.00095297	−0.00000445		
0.00031172	0.00355522	0.06066378	0.99750928	−0.03580959	0.00028190		
0.00000417	0.00005472	0.00122449	0.03580075	0.99920526	−0.01748276		
0.00000002	0.00000033	0.00000873	0.00034448	0.01748164	0.99984713		

J = 14, *E*+

0.84393794	−0.53403020	0.05078859	−0.00100377	0.00000925	−0.00000004	0.00000000	−0.00000000
0.53114626	0.81859121	−0.21840433	0.00957049	−0.00015636	0.00000112	−0.00000000	0.00000000
0.07503876	0.21081842	0.96748121	−0.11786305	0.00363205	−0.00004167	0.00000019	−0.00000000
0.00464269	0.01659568	0.11693837	0.99026621	−0.07347858	0.00147589	−0.00001014	0.00000002
0.00014428	0.00058840	0.00505837	0.07338215	0.99623896	−0.04579034	0.00053071	−0.00000141
0.00000233	0.00001031	0.00009971	0.00189586	0.04577327	0.99861864	−0.02572952	0.00011311
0.00000002	0.00000008	0.00000088	0.00001990	0.00064848	0.02572671	0.99962282	−0.00958804
0.00000000	0.00000000	0.00000000	0.00000006	0.00000245	0.00013366	0.00958777	0.99995403

J = 14, *O*+

0.97259794	−0.23200244	0.01510067	−0.00029946	0.00000256	−0.00000001	0.00000000	
0.23152792	0.96060029	−0.15365132	0.00575935	−0.00008026	0.00000047	−0.00000000	
0.02114781	0.15280150	0.98368336	−0.09255331	0.00232300	−0.00002117	0.00000007	
0.00091944	0.00857896	0.09230776	0.99398312	−0.05832284	0.00091123	−0.00000431	
0.00002063	0.00022350	0.00309177	0.05828275	0.99767818	−0.03509546	0.00027669	
0.00000023	0.00000281	0.00004532	0.00113849	0.03508832	0.99923322	−0.01733466	
0.00000000	0.00000001	0.00000026	0.00000790	0.00033199	0.01733369	0.99984971	

J = 14, *O*−

0.91827040	−0.39549972	0.01895609	−0.00033511	0.00000274	−0.00000001	0.00000000	
0.39351633	0.90626774	−0.15424160	0.00576172	−0.00008026	0.00000047	−0.00000000	
0.04381716	0.14895286	0.98352506	−0.09255354	0.00232300	−0.00002117	0.00000007	
0.00210557	0.00846993	0.09229890	0.99398308	−0.05832284	0.00091123	−0.00000431	
0.00005018	0.00022221	0.00309156	0.05828275	0.99767818	−0.03509546	0.00027669	
0.00000060	0.00000281	0.00004532	0.00113849	0.03508832	0.99923322	−0.01733466	
0.00000000	0.00000001	0.00000026	0.00000790	0.00033199	0.01733369	0.99984971	

J = 14, *E*−

0.97885842	−0.20432047	0.00945093	−0.00015577	0.00000112	−0.00000000	0.00000000	
0.20399514	0.97184595	−0.11784836	0.00363202	−0.00004167	0.00000019	−0.00000000	
0.01489705	0.11723016	0.99026960	−0.07347858	0.00147589	−0.00001014	0.00000002	
0.00050769	0.00506680	0.07338230	0.99623896	−0.04579034	0.00053071	−0.00000141	
0.00000868	0.00009983	0.00189586	0.04577327	0.99861864	−0.02572952	0.00011311	
0.00000007	0.00000088	0.00001990	0.00064848	0.02572671	0.99962282	−0.00958804	
0.00000000	0.00000000	0.00000006	0.00000245	0.00013366	0.00958777	0.99995403	

J = 15, *E*+

0.82663728	−0.55878282	0.06655993	−0.00153270	0.00001676	−0.00000009	0.00000000	−0.00000000
0.55578795	0.79218351	−0.25175651	0.01279221	−0.00024786	0.00000219	−0.00000001	0.00000000
0.08792929	0.24432372	0.95596022	−0.13670899	0.00500579	−0.00007087	0.00000043	−0.00000000
0.00624109	0.02262865	0.13520379	0.98669983	−0.08710745	0.00215963	−0.00001990	0.00000006
0.00022838	0.00095782	0.00695650	0.08695064	0.99458634	−0.05645771	0.00087816	−0.00000420
0.00000452	0.00002077	0.00016937	0.00277315	0.05642731	0.99780617	−0.03451107	0.00027237
0.00000005	0.00000023	0.00000202	0.00003907	0.00107290	0.03450512	0.99925576	−0.01720931
0.00000000	0.00000000	0.00000001	0.00000022	0.00000728	0.00032185	0.01720846	0.99985187

J = 15, *O*+

0.96714037	−0.25348773	0.01957705	−0.00046029	0.00000477	−0.00000002	0.00000000	−0.00000000
0.25288806	0.95119217	−0.17669294	0.00778973	−0.00013100	0.00000098	−0.00000000	0.00000000
0.02617983	0.17562244	0.97811841	−0.10837422	0.00328347	−0.00003815	0.00000018	−0.00000000
0.00132106	0.01157848	0.10798909	0.99159462	−0.07029014	0.00140052	−0.00000972	0.00000002
0.00003552	0.00036402	0.00436726	0.07022244	0.99651858	−0.04472192	0.00051757	−0.00000139
0.00000051	0.00000583	0.00008165	0.00174945	0.04470825	0.99867467	−0.02543607	0.00011216
0.00000000	0.00000004	0.00000069	0.00001782	0.00062096	0.02543366	0.99963069	−0.00955089
0.00000000	0.00000000	0.00000000	0.00000005	0.00000231	0.00013085	0.00955065	0.99995438

TABLE I.—TRANSFORMATION COEFFICIENTS—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

J = 15, *O* —

0.89329538	−0.44875087	0.02541155	−0.00052349	0.00000515	−0.00000003	0.00000000	−0.00000000
0.44577359	0.87729743	−0.17769171	0.00779454	−0.00013102	0.00000098	−0.00000000	0.00000000
0.05743496	0.16982850	0.97780552	−0.10837477	0.00328347	−0.00003815	0.00000018	−0.00000000
0.00323821	0.01140249	0.10796853	0.99159449	−0.07029014	0.00140052	−0.00000972	0.00000002
0.00009309	0.00036211	0.00436667	0.07022243	0.99651858	−0.04472192	0.00051757	−0.00000139
0.00000141	0.00000584	0.00008164	0.00174945	0.04470825	0.99867467	−0.02543607	0.00011216
0.00000001	0.00000004	0.00000069	0.00001782	0.00062096	0.02543366	0.99963069	−0.00955089
0.00000000	0.00000000	0.00000000	0.00000005	0.00000231	0.00013085	0.00955065	0.99995438

J = 15, *E* —

0.97275798	−0.23148115	0.01258309	−0.00024665	0.00000218	−0.00000001	0.00000000	
0.23099812	0.96329300	−0.13667993	0.00500572	−0.00007087	0.00000043	−0.00000000	
0.01952349	0.13577327	0.98670770	−0.08710745	0.00215963	−0.00001990	0.00000006	
0.00078759	0.00697598	0.08695107	0.99458634	−0.05645771	0.00087816	−0.00000420	
0.00001658	0.00016971	0.00277316	0.05642731	0.99780617	−0.03451107	0.00027237	
0.00000018	0.00000202	0.00003907	0.00107290	0.03450512	0.99925576	−0.01720931	
0.00000000	0.00000001	0.00000022	0.00000728	0.00032185	0.01720846	0.99985187	

TABLE II.—EXPECTATION VALUES

KAPPA = 0.000000

2	0, 2	−3.0940108−001	2.6794919−001	1.0717968+000	4.2871871+000
2	1, 2	0.0000000+000	1.0000000+000	1.0000000+000	1.0000000+000
2	1, 1	2.0000000+000	1.0000000+000	1.0000000+000	1.0000000+000
2	2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2	2, 0	4.3094011+000	3.7320508+000	1.4928203+001	5.9712813+001
3	0, 3	−1.2659863+000	7.7525513−001	3.1010205+000	1.2404082+001
3	1, 3	−1.1639778+000	1.1270167+000	2.2701665+000	1.2558515+001
3	1, 2	2.7340137+000	1.3257654+000	4.2576539+000	3.0644650+001
3	2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3	2, 1	5.2659863+000	3.2247449+000	1.2898979+001	5.1595918+001
3	3, 1	9.1639778+000	8.8729833+000	7.9729833+001	7.1744148+002
3	3, 0	9.2659863+000	8.6742346+000	7.7742346+001	6.9935535+002
4	0, 4	−2.9481367+000	1.2504359+000	5.5044184+000	3.0060469+001
4	1, 4	−2.9205543+000	1.3755878+000	4.7558782+000	3.5178492+001
4	1, 3	3.1389983+000	2.3542487+000	1.4542487+001	1.2423663+002
4	2, 3	3.7461123+000	4.2435807+000	2.0871613+001	1.4584310+002
4	2, 2	6.6666667+000	3.0769231+000	1.6923077+001	1.4153846+002
4	3, 2	9.5872210+000	8.6244122+000	7.7244122+001	6.9482151+002
4	3, 1	1.0194335+001	7.6457513+000	6.7457513+001	6.0576337+002
4	4, 1	1.6253888+001	1.5756419+001	2.5112839+002	4.0141569+003
4	4, 0	1.6281470+001	1.5672641+001	2.4957250+002	3.9884011+003
5	0, 5	−5.3255289+000	1.6551182+000	8.5166331+000	6.4405098+001
5	1, 5	−5.3188337+000	1.6926929+000	8.1048786+000	7.0263294+001
5	1, 4	2.8494260+000	3.8520524+000	3.0874218+001	3.0791605+002
5	2, 4	3.0717968+000	4.8038476+000	3.2076952+001	3.3409279+002
5	2, 3	8.1749548+000	3.7669684+000	3.4931898+001	4.5755198+002
5	3, 3	1.0000000+001	8.6363636+000	8.5000000+001	9.6318182+002
5	3, 2	1.1825045+001	6.5045362+000	6.3050838+001	7.4710445+002
5	4, 2	1.6928203+001	1.5196152+001	2.3992305+002	3.8259072+003
5	4, 1	1.7150574+001	1.4577913+001	2.2855147+002	3.6380429+003
5	5, 1	2.5318834+001	2.4670943+001	6.1389512+002	1.5321555+004
5	5, 0	2.5325529+001	2.4643411+001	6.1307494+002	1.5299979+004
6	0, 6	−8.3785479+000	2.0267914+000	1.2325784+001	1.1864482+002
6	1, 6	−8.3770265+000	2.0369551+000	1.2150133+001	1.2268329+002
6	1, 5	1.7797981+000	5.2634200+000	4.9948488+001	6.0997131+002
6	2, 5	1.8475661+000	5.6308236+000	4.9154299+001	6.4207506+002
6	2, 4	9.3237557+000	5.6821144+000	7.5782809+001	1.2137881+003
6	3, 4	1.0224593+001	9.1035704+000	1.0812722+002	1.6516280+003
6	3, 3	1.4000000+001	6.1428571+000	7.8142857+001	1.3690000+003
6	4, 3	1.7775407+001	1.4766681+001	2.4330711+002	4.3521198+003
6	4, 2	1.8676244+001	1.2696481+001	2.0469701+002	3.6749627+003
6	5, 2	2.6152434+001	2.3859474+001	5.8672265+002	1.4580689+004
6	5, 1	2.6220202+001	2.3593723+001	5.7890865+002	1.4376029+004
6	6, 1	3.6377027+001	3.5602495+001	1.2755386+003	4.5821805+004
6	6, 0	3.6378548+001	3.5594613+001	1.2751944+003	4.5808604+004
7	0, 7	−1.2100774+001	2.3869927+000	1.6946509+001	1.9550936+002
7	1, 7	−1.2100444+001	2.3895537+000	1.6882621+001	1.9763453+002
7	1, 6	−1.8450669−002	6.4918548+000	7.1735252+001	1.0621657+003
7	2, 6	−4.6169513−011	6.6122449+000	7.0897959+001	1.0902857+003
7	2, 5	9.7226138+000	8.3112344+000	1.3520968+002	2.5480922+003
7	3, 5	1.0074264+001	1.0090812+001	1.4878141+002	2.8629010+003
7	3, 4	1.6306957+001	7.2426776+000	1.3085437+002	3.0021356+003
7	4, 4	1.8666667+001	1.4775510+001	2.7191837+002	5.9474286+003
7	4, 3	2.1026376+001	1.0782242+001	1.9465473+002	4.4464522+003
7	5, 3	2.7259069+001	2.2979415+001	5.7501046+002	1.5220110+004
7	5, 2	2.7610720+001	2.1727314+001	5.3820922+002	1.4222897+004
7	6, 2	3.7333333+001	3.4612245+001	1.2251837+003	4.3778286+004
7	6, 1	3.7351784+001	3.4519531+001	1.2211891+003	4.3625946+004
7	7, 1	4.9433777+001	4.8540219+001	2.3673255+003	1.1572335+005
7	7, 0	4.9434107+001	4.8538154+001	2.3672012+003	1.1571680+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = 0.000000—*CONTINUED*

8	0, 8	−1.6490437+001	2.7435085+000	2.2351317+001	2.9856163+002
8	1, 8	−1.6490367+001	2.7441213+000	2.2330511+001	2.9949977+002
8	1, 7	−2.5066078+000	7.6233266+000	9.7004172+001	1.6899197+003
8	2, 7	−2.5019438+000	7.6588213+000	9.6539117+001	1.7084342+003
8	2, 6	9.2852272+000	1.0775661+001	2.0225471+002	4.4767343+003
8	3, 6	9.4009507+000	1.1500353+001	2.0547508+002	4.6777151+003
8	3, 5	1.8220749+001	1.0162279+001	2.3779749+002	6.4591412+003
8	4, 5	1.9412527+001	1.5462579+001	3.3428652+002	8.9744177+003
8	4, 4	2.4000000+001	1.0153846+001	2.2984615+002	6.8270769+003
8	5, 4	2.8587473+001	2.2343788+001	5.9444003+002	1.7940819+004
8	5, 3	2.9779251+001	1.8831156+001	4.8913800+002	1.4857682+004
8	6, 3	3.8599049+001	3.3398927+001	1.1887053+003	4.4079718+004
8	6, 2	3.8714773+001	3.2847821+001	1.1651191+003	4.3162997+004
8	7, 2	5.0501944+001	4.7411737+001	2.2857544+003	1.1108597+005
8	7, 1	5.0506608+001	4.7383238+001	2.2840603+003	1.1099726+005
8	8, 1	6.4490367+001	6.3479672+001	4.0444691+003	2.5819743+005
8	8, 0	6.4490437+001	6.3479163+001	4.0444287+003	2.5819463+005
9	0, 9	−2.1547056+001	3.0987678+000	2.8520202+001	4.3183445+002
9	1, 9	−2.1547041+001	3.0989088+000	2.8513958+001	4.3219972+002
9	1, 8	−5.6695551+000	8.7161848+000	1.2604630+002	2.5176935+003
9	2, 8	−5.6684370+000	8.7258979+000	1.2584626+002	2.5275981+003
9	2, 7	8.0820775+000	1.2906158+001	2.7522009+002	7.0570950+003
9	3, 7	8.1161586+000	1.3158401+001	2.7518676+002	7.1769048+003
9	3, 6	1.9327178+001	1.4059089+001	3.8618372+002	1.2085510+004
9	4, 6	1.9813607+001	1.6882980+001	4.3333003+002	1.3757163+004
9	4, 5	2.7122601+001	1.1706235+001	3.4616276+002	1.2521618+004
9	5, 5	3.0000000+001	2.2339056+001	6.6251073+002	2.3575558+004
9	5, 4	3.2877399+001	1.6022333+001	4.6584198+002	1.7209548+004
9	6, 4	4.0186393+001	3.2162569+001	1.1827259+003	4.7791563+004
9	6, 3	4.0672822+001	3.0068322+001	1.0926297+003	4.4109215+004
9	7, 3	5.1883841+001	4.5984163+001	2.2165865+003	1.1022287+005
9	7, 2	5.1917922+001	4.5783041+001	2.2047381+003	1.0959585+005
9	8, 2	6.5668437+001	6.2228553+001	3.9220978+003	2.4888368+005
9	8, 1	6.5669555+001	6.2220517+001	3.9214672+003	2.4884024+005
9	9, 1	8.1547041+001	8.0419471+001	6.4862020+003	5.2403747+005
9	9, 0	8.1547056+001	8.0419351+001	6.4861899+003	5.2403640+005
10	0,10	−2.7270487+001	3.4535082+000	3.5443991+001	5.9944378+002
10	1,10	−2.7270484+001	3.4535397+000	3.5442231+001	5.9957312+002
10	1, 9	−9.5023107+000	9.7944710+000	1.5889053+002	3.5722059+003
10	2, 9	−9.5020531+000	9.7969843+000	1.5881657+002	3.5767522+003
10	2, 8	6.1704504+000	1.4845302+001	3.5617897+002	1.0386276+004
10	3, 8	6.1797510+000	1.4924439+001	3.5569789+002	1.0451892+004
10	3, 7	1.9540242+001	1.7693538+001	5.4907795+002	1.9624529+004
10	4, 7	1.9709382+001	1.8889436+001	5.6557734+002	2.0542657+004
10	4, 6	2.9817571+001	1.5739341+001	5.7037712+002	2.3780143+004
10	5, 6	3.1298062+001	2.3246595+001	7.9260727+002	3.3025031+004
10	5, 5	3.6666667+001	1.5080880+001	5.3137981+002	2.3926081+004
10	6, 5	4.2035272+001	3.1299503+001	1.2318620+003	5.6341189+004
10	6, 4	4.3515763+001	2.6012985+001	9.9932564+002	4.6046056+004
10	7, 4	5.3623951+001	4.4325363+001	2.1735043+003	1.1449175+005
10	7, 3	5.3793091+001	4.3383175+001	2.1181165+003	1.1146412+005
10	8, 3	6.7153582+001	6.0654812+001	3.8119653+003	2.4546118+005
10	8, 2	6.7162883+001	6.0589626+001	3.8068988+003	2.4511024+005
10	9, 2	8.2835386+001	7.9050064+001	6.3117483+003	5.0687675+005
10	9, 1	8.2835644+001	7.9047937+001	6.3115352+003	5.0685807+005
10	10, 1	1.0060382+002	9.9359265+001	9.8957789+003	9.8703822+005
10	10, 0	1.0060382+002	9.9359238+001	9.8957755+003	9.8703785+005
11	0,11	−3.3660674+001	3.8079732+000	4.3119277+001	8.0546096+002
11	1,11	−3.3660674+001	3.8079801+000	4.3118805+001	8.0550346+002
11	1,10	−1.4003230+001	1.0866758+001	1.9551202+002	4.8816050+003
11	2,10	−1.4003172+001	1.0867380+001	1.9548737+002	4.8834619+003
11	2, 9	3.5753662+000	1.6701023+001	4.4637168+002	1.4566931+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = 0.000000—*CONTINUED*

11 3, 9	3.5777655+000	1.6724058+001	4.4606345+002	1.4599451+004
11 3, 8	1.8947893+001	2.0808869+001	7.2059568+002	2.9064967+004
11 4, 8	1.9000694+001	2.1244397+001	7.2471967+002	2.9522444+004
11 4, 7	3.1647694+001	2.1033192+001	8.7245404+002	4.1108638+004
11 5, 7	3.2272707+001	2.5110311+001	9.8847266+002	4.7092189+004
11 5, 6	4.0617722+001	1.7125762+001	7.4963513+002	3.9489130+004
11 6, 6	4.4000000+001	3.1272727+001	1.3632727+003	7.1540364+004
11 6, 5	4.7382278+001	2.2199179+001	9.4914696+002	5.1421569+004
11 7, 5	5.5727293+001	4.2701251+001	2.1813417+003	1.2578744+005
11 7, 4	5.6352306+001	3.9561652+001	1.9951832+003	1.1501854+005
11 8, 4	6.8999306+001	5.8743356+001	3.7241772+003	2.4957514+005
11 8, 3	6.9052107+001	5.8387029+001	3.6966318+003	2.4762608+005
11 9, 3	8.4422234+001	7.7357410+001	6.1505381+003	4.9862723+005
11 9, 2	8.4424634+001	7.7337974+001	6.1486097+003	4.9845769+005
11 10, 2	1.0200317+002	9.7872139+001	9.6563430+003	9.5743859+005
11 10, 1	1.0200323+002	9.7871603+001	9.6562762+003	9.5743132+005
11 11, 1	1.2166067+002	1.2029899+002	1.4500465+004	1.7500942+006
11 11, 0	1.2166067+002	1.2029898+002	1.4500464+004	1.7500941+006
12 0,12	−4.0717591+001	4.1622612+000	5.1544955+001	1.0539092+003
12 1,12	−4.0717591+001	4.1622626+000	5.1544834+001	1.0539224+003
12 1,11	−1.9171695+001	1.1936074+001	2.3589204+002	6.4743152+003
12 2,11	−1.9171683+001	1.1936223+001	2.3588443+002	6.4750071+003
12 2,10	3.0611005−001	1.8521875+001	5.4619299+002	1.9702042+004
12 3,10	3.0670260−001	1.8528206+001	5.4605352+002	1.9716650+004
12 3, 9	1.7625295+001	2.3609941+001	9.0523664+002	4.0667854+004
12 4, 9	1.7640573+001	2.3753263+001	9.0577356+002	4.0883305+004
12 4, 8	3.2527198+001	2.5951392+001	1.1972519+003	6.3179691+004
12 5, 8	3.2753889+001	2.7731591+001	1.2433145+003	6.6326507+004
12 5, 7	4.4106788+001	2.2374275+001	1.1593209+003	6.8992327+004
12 6, 7	4.5874111+001	3.2402956+001	1.5970429+003	9.5366404+004
12 6, 6	5.2000000+001	2.0902518+001	1.0558334+003	6.7066485+004
12 7, 6	5.8125889+001	4.1591789+001	2.2769683+003	1.4688625+005
12 7, 5	5.9893212+001	3.4214094+001	1.8293169+003	1.1890951+005
12 8, 5	7.1246111+001	5.6600757+001	3.6779191+003	2.6332394+005
12 8, 4	7.1472802+001	5.5160595+001	3.5664685+003	2.5511967+005
12 9, 4	8.6359427+001	7.5292404+001	6.0105022+003	5.0135272+005
12 9, 3	8.6374705+001	7.5171998+001	5.9986366+003	5.0029465+005
12 10, 3	1.0369330+002	9.6068152+001	9.4318489+003	9.4087762+005
12 10, 2	1.0369389+002	9.6062710+001	9.4311774+003	9.4080452+005
12 11, 2	1.2317168+002	1.1869375+002	1.4181617+004	1.7016699+006
12 11, 1	1.2317170+002	1.1869362+002	1.4181597+004	1.7016673+006
12 12, 1	1.4471759+002	1.4323865+002	2.0551531+004	2.9520177+006
12 12, 0	1.4471759+002	1.4323865+002	2.0551531+004	2.9520177+006
13 0,13	−4.8441221+001	4.5164224+000	6.0720704+001	1.3487847+003
13 1,13	−4.8441221+001	4.5164227+000	6.0720674+001	1.3487886+003
13 1,12	−2.5007421+001	1.3003604+001	2.8002244+002	8.3785907+003
13 2,12	−2.5007418+001	1.3003639+001	2.8002023+002	8.3788301+003
13 2,11	−3.6338378+000	2.0326780+001	6.5572503+002	2.5894348+004
13 3,11	−3.6336964+000	2.0328442+001	6.5567181+002	2.5900354+004
13 3,10	1.5607945+001	2.6265019+001	1.1064150+003	5.4735492+004
13 4,10	1.5612119+001	2.6308811+001	1.1062684+003	5.4831932+004
13 4, 9	3.2560104+001	3.0134857+001	1.5308551+003	8.9588262+004
13 5, 9	3.2634168+001	3.0806781+001	1.5455184+003	9.1054875+004
13 5, 8	4.6674215+001	2.9188008+001	1.7003729+003	1.1262695+005
13 6, 8	4.7440638+001	3.4721554+001	1.9377593+003	1.2950467+005
13 6, 7	5.6789694+001	2.3477418+001	1.4242488+003	1.0314539+005
13 7, 7	6.0666667+001	4.1535582+001	2.5006943+003	1.8143409+005
13 7, 6	6.4543639+001	2.9292876+001	1.7311323+003	1.2908061+005
13 8, 6	7.3892696+001	5.4560598+001	3.7090318+003	2.9000168+005
13 8, 5	7.4659118+001	5.0176686+001	3.3661329+003	2.6324644+005
13 9, 5	8.8699166+001	7.2855530+001	5.9043889+003	5.1726675+005
13 9, 4	8.8773230+001	7.2294702+001	5.8492694+003	5.1221202+005
13 10, 4	1.0572121+002	9.3890632+001	9.2295657+003	9.4005233+005

TABLE II.–EXPECTATION VALUES–CONTINUED

KAPPA = 0.000000 –*CONTINUED*

13 10, 3	1.0572539+002	9.3853101+001	9.2249684+003	9.3954708+005
13 11, 3	1.2496703+002	1.1677899+002	1.3879758+004	1.6717330+006
13 11, 2	1.2496717+002	1.1677754+002	1.3879540+004	1.6717042+006
13 12, 2	1.4634075+002	1.4151477+002	2.0137355+004	2.8761746+006
13 12, 1	1.4634075+002	1.4151474+002	2.0137349+004	2.8761737+006
13 13, 1	1.6977455+002	1.6817825+002	2.8324248+004	4.7750771+006
13 13, 0	1.6977455+002	1.6817825+002	2.8324248+004	4.7750771+006
14 0,14	−5.6831553+001	4.8704879+000	7.0646441+001	1.6940717+003
14 1,14	−5.6831553+001	4.8704880+000	7.0646433+001	1.6940728+003
14 1,13	−3.1510245+001	1.4069907+001	3.2790071+002	1.0622488+004
14 2,13	−3.1510244+001	1.4069915+001	3.2790009+002	1.0622566+004
14 2,12	−8.2429982+000	2.2123076+001	7.7497680+002	3.3245711+004
14 3,12	−8.2429654+000	2.2123497+001	7.7495858+002	3.3247998+004
14 3,11	1.2910164+001	2.8854784+001	1.3255326+003	7.1552839+004
14 4,11	1.2911254+001	2.8867416+001	1.3253836+003	7.1593709+004
14 4,10	3.1838679+001	3.3854689+001	1.8817564+003	1.2091061+005
14 5,10	3.1861132+001	3.4084439+001	1.8855120+003	1.2154938+005
14 5, 9	4.8234104+001	3.5499888+001	2.2728379+003	1.6619729+005
14 6, 9	4.8521632+001	3.7976798+001	2.3735612+003	1.7496085+005
14 6, 8	6.1083504+001	3.0037470+001	2.1059063+003	1.6969606+005
14 7, 8	6.3136029+001	4.2891412+001	2.8815208+003	2.3334749+005
14 7, 7	7.0000000+001	2.7601876+001	1.8897332+003	1.6099719+005
14 8, 7	7.6863971+001	5.3187368+001	3.8707437+003	3.3475803+005
14 8, 6	7.8916496+001	4.3412214+001	3.0882770+003	2.6908020+005
14 9, 6	9.1478368+001	7.0194350+001	5.8585707+003	5.4957220+005
14 9, 5	9.1765896+001	6.8148733+001	5.6568456+003	5.3025962+005
14 10, 5	1.0813887+002	9.1292741+001	9.0581276+003	9.5746673+005
14 10, 4	1.0816132+002	9.1096671+001	9.0342199+003	9.5478575+005
14 11, 4	1.2708875+002	1.1450053+002	1.3602428+004	1.6638506+006
14 11, 3	1.2708984+002	1.1448954+002	1.3600788+004	1.6636326+006
14 12, 3	1.4824297+002	1.3948794+002	1.9742396+004	2.8258233+006
14 12, 2	1.4824300+002	1.3948757+002	1.9742330+004	2.8258128+006
14 13, 2	1.7151024+002	1.6633528+002	2.7797363+004	4.6605533+006
14 13, 1	1.7151024+002	1.6633527+002	2.7797362+004	4.6605530+006
14 14, 1	1.9683155+002	1.9511782+002	3.8117888+004	7.4532548+006
14 14, 0	1.9683155+002	1.9511782+002	3.8117888+004	7.4532548+006
15 0,15	−6.5888580+001	5.2244790+000	8.1322149+001	2.0937499+003
15 1,15	−6.5888580+001	5.2244790+000	8.1322147+001	2.0937502+003
15 1,14	−3.8680062+001	1.5135301+001	3.7952648+002	1.3233945+004
15 2,14	−3.8680062+001	1.5135303+001	3.7952631+002	1.3233969+004
15 2,13	−1.3520616+001	2.3913907+001	9.0394931+002	4.1857010+004
15 3,13	−1.3520609+001	2.3914010+001	9.0394354+002	4.1857825+004
15 3,12	9.5378017+000	3.1412703+001	1.5630498+003	9.1389352+004
15 4,12	9.5380761+000	3.1416181+001	1.5629747+003	9.1405712+004
15 4,11	3.0409108+001	3.7348748+001	2.2574375+003	1.5787840+005
15 5,11	3.0415536+001	3.7421781+001	2.2581299+003	1.5814427+005
15 5,10	4.8905316+001	4.0833902+001	2.8493924+003	2.2815078+005
15 6,10	4.9002794+001	4.1796592+001	2.8849278+003	2.3214305+005
15 6, 9	6.4399871+001	3.8488297+001	2.9933648+003	2.6525237+005
15 7, 9	6.5309901+001	4.5676916+001	3.4248314+003	3.0577489+005
15 7, 8	7.5636728+001	3.0742338+001	2.4668530+003	2.3530302+005
15 8, 8	8.0000000+001	5.3095059+001	4.2206998+003	4.0442312+005
15 8, 7	8.4363272+001	3.7287245+001	2.9121004+003	2.8573200+005
15 9, 7	9.4690099+001	6.7712065+001	5.9233746+003	6.0387329+005
15 9, 6	9.5600129+001	6.1888490+001	5.3422010+003	5.4493891+005
15 10, 6	1.1099721+002	8.8292401+001	8.9335207+003	9.9601900+005
15 10, 5	1.1109468+002	8.7475928+001	8.8340228+003	9.8449802+005
15 11, 5	1.2958446+002	1.1179848+002	1.3356640+004	1.6811297+006
15 11, 4	1.2959089+002	1.1173509+002	1.3347238+004	1.6798613+006
15 12, 4	1.5046192+002	1.3710907+002	1.9374894+004	2.8056372+006
15 12, 3	1.5046220+002	1.3710600+002	1.9374347+004	2.8055506+006
15 13, 3	1.7352061+002	1.6419492+002	2.7292036+004	4.5803410+006
15 13, 2	1.7352062+002	1.6419483+002	2.7292017+004	4.5803374+006

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = 0.000000 —*CONTINUED*				
15 14, 2	1.9868006+002	1.9315540+002	3.7459456+004	7.2856179+006
15 14, 1	1.9868006+002	1.9315540+002	3.7459456+004	7.2856179+006
15 15, 1	2.2588858+002	2.2405735+002	5.0255722+004	1.1281225+007
15 15, 0	2.2588858+002	2.2405735+002	5.0255722+004	1.1281225+007
KAPPA = — 0.100000				
2 0, 2	−2.3862601−001	2.1318971−001	8.5275882−001	3.4110353+000
2 1, 2	1.2903226−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.8709677+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.2386260+000	3.7868103+000	1.5147241+001	6.0588965+001
3 0, 3	−1.0095236+000	6.7088597−001	2.6835439+000	1.0734175+001
3 1, 3	−8.7003113−001	1.1024957+000	2.0249572+000	1.0327110+001
3 1, 2	2.5460390+000	1.2356700+000	3.3566995+000	2.2445965+001
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	5.0095236+000	3.3291140+000	1.3316456+001	5.3265825+001
3 3, 1	9.1280956+000	8.8975043+000	7.9975043+001	7.1967289+002
3 3, 0	9.1958964+000	8.7643300+000	7.8643300+001	7.0755403+002
4 0, 4	−2.4137352+000	1.1385536+000	4.9243017+000	2.5618606+001
4 1, 4	−2.3702426+000	1.3156249+000	4.1562491+000	2.9721867+001
4 1, 3	3.0158640+000	2.0330927+000	1.1330927+001	9.5011438+001
4 2, 3	3.8064516+000	4.1875000+000	1.9750000+001	1.2700000+002
4 2, 2	6.2043885+000	3.0968203+000	1.5715871+001	1.1612093+002
4 3, 2	9.4670167+000	8.6843751+000	7.7843751+001	7.0027813+002
4 3, 1	9.8873618+000	7.9669073+000	7.0669073+001	6.3498856+002
4 4, 1	1.6193548+001	1.5812500+001	2.5225000+002	4.0330000+003
4 4, 0	1.6209347+001	1.5764626+001	2.5135983+002	4.0182605+003
5 0, 5	−4.4323658+000	1.5401100+000	7.6430410+000	5.4293779+001
5 1, 5	−4.4202165+000	1.6012718+000	7.1375487+000	6.0084815+001
5 1, 4	2.9470326+000	3.3729149+000	2.5597148+001	2.4731522+002
5 2, 4	3.2841220+000	4.6395691+000	2.8791382+001	2.7889522+002
5 2, 3	7.5852452+000	3.4733421+000	2.8047972+001	3.3866554+002
5 3, 3	9.8244914+000	8.6460145+000	8.3220100+001	8.9838574+002
5 3, 2	1.1163609+001	6.8878953+000	6.5164076+001	7.2177778+002
5 4, 2	1.6715878+001	1.5360431+001	2.4320862+002	3.8811048+003
5 4, 1	1.6847121+001	1.4986548+001	2.3630899+002	3.7670407+003
5 5, 1	2.5240886+001	2.4752714+001	6.1664235+002	1.5396529+004
5 5, 0	2.5244197+001	2.4739190+001	6.1623878+002	1.5385907+004
6 0, 6	−7.0441715+000	1.9018209+000	1.1036451+001	1.0022613+002
6 1, 6	−7.0409975+000	1.9208298+000	1.0783677+001	1.0493376+002
6 1, 5	2.1971278+000	4.7725920+000	4.3209526+001	5.0123211+002
6 2, 5	2.3165389+000	5.3455383+000	4.3258082+001	5.3555059+002
6 2, 4	8.7968181+000	4.8507620+000	5.8525119+001	8.9382195+002
6 3, 4	1.0069282+001	8.9520973+000	1.0057950+002	1.4266894+003
6 3, 3	1.2990444+001	6.2356802+000	7.2152568+001	1.1352987+003
6 4, 3	1.7399335+001	1.4950444+001	2.4401311+002	4.2475858+003
6 4, 2	1.7962578+001	1.3546737+001	2.1785564+002	3.7946932+003
6 5, 2	2.5874941+001	2.4127073+001	5.9563682+002	1.4823377+004
6 5, 1	2.5909202+001	2.3991728+001	5.9163791+002	1.4718469+004
6 6, 1	3.6284126+001	3.5704018+001	1.2807288+003	4.6032864+004
6 6, 0	3.6284775+001	3.5700680+001	1.2805828+003	4.6027259+004
7 0, 7	−1.0240619+001	2.2473473+000	1.5157264+001	1.6578428+002
7 1, 7	−1.0239827+001	2.2528482+000	1.5050384+001	1.6867057+002
7 1, 6	7.8979055−001	6.0074411+000	6.3080230+001	8.8155804+002
7 2, 6	8.2737643−001	6.2253943+000	6.2322949+001	9.1337599+002
7 2, 5	9.4637998+000	7.1546631+000	1.0923358+002	1.9587441+003
7 3, 5	1.0049551+001	9.6994980+000	1.3281778+002	2.3879749+003
7 3, 4	1.5092583+001	6.6320092+000	1.0508874+002	2.2224227+003
7 4, 4	1.8166424+001	1.4815449+001	2.6300474+002	5.4169531+003
7 4, 3	1.9762593+001	1.1679161+001	2.0268347+002	4.2725566+003

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

7	5, 3	2.6734546+001	2.3389037+001	5.8419856+002	1.5233384+004
7	5, 2	2.6919839+001	2.2702688+001	5.6394329+002	1.4688451+004
7	6, 2	3.7006200+001	3.4959156+001	1.2426723+003	4.4485671+004
7	6, 1	3.7014226+001	3.4918829+001	1.2409257+003	4.4418915+004
7	7, 1	4.9326697+001	4.8658616+001	2.3759333+003	1.1621397+005
7	7, 0	4.9326819+001	4.8657862+001	2.3758877+003	1.1621157+005
8	0, 8	−1.4018990+001	2.5870840+000	1.9992432+001	2.5378205+002
8	1, 8	−1.4018798+001	2.5885956+000	1.9952137+001	2.5525883+002
8	1, 7	−1.2326939+000	7.1199717+000	8.5780814+001	1.4115422+003
8	2, 7	−1.2217414+000	7.1941836+000	8.5176080+001	1.4351893+003
8	2, 6	9.4025942+000	9.6280458+000	1.7112903+002	3.5764698+003
8	3, 6	9.6288230+000	1.0863877+001	1.8010209+002	3.8671670+003
8	3, 5	1.7069196+001	8.5483232+000	1.8087014+002	4.6300569+003
8	4, 5	1.8882613+001	1.5183027+001	3.0823015+002	7.7033865+003
8	4, 4	2.2225358+001	1.0413543+001	2.1312243+002	5.7287057+003
8	5, 4	2.7806961+001	2.2729142+001	5.9308604+002	1.7148273+004
8	5, 3	2.8481961+001	2.0523967+001	5.2712551+002	1.5262497+004
8	6, 3	3.7969850+001	3.4008854+001	1.2129219+003	4.4616435+004
8	6, 2	3.8021738+001	3.3757552+001	1.2020970+003	4.4196939+004
8	7, 2	5.0131401+001	4.7818386+001	2.3148597+003	1.1273330+005
8	7, 1	5.0133151+001	4.7807738+001	2.3142235+003	1.1269990+005
8	8, 1	6.4369278+001	6.3613936+001	4.0576719+003	2.5920499+005
8	8, 0	6.4369300+001	6.3613775+001	4.0576591+003	2.5920410+005
9	0, 9	−1.8378469+001	2.9247656+000	2.5522542+001	3.6752125+002
9	1, 9	−1.8378423+001	2.9251649+000	2.5508573+001	3.6818585+002
9	1, 8	−3.8490971+000	8.1748802+000	1.1175412+002	2.1124195+003
9	2, 8	−3.8460745+000	8.1982786+000	1.1142823+002	2.1269696+003
9	2, 7	8.6335266+000	1.1820129+001	2.3839445+002	5.7582466+003
9	3, 7	8.7110073+000	1.2324836+001	2.4046958+002	5.9377091+003
9	3, 6	1.8502111+001	1.1870372+001	3.0442099+002	8.9905722+003
9	4, 6	1.9386594+001	1.6178562+001	3.8482110+002	1.1422989+004
9	4, 5	2.5055467+001	1.0677555+001	2.7758103+002	9.2509649+003
9	5, 5	2.9016230+001	2.2441691+001	6.3613440+002	2.1218104+004
9	5, 4	3.0811730+001	1.7724263+001	4.9055670+002	1.6665466+004
9	6, 4	3.9203181+001	3.2937690+001	1.2013953+003	4.7174381+004
9	6, 3	3.9432814+001	3.1894668+001	1.1563505+003	4.5361688+004
9	7, 3	5.1174715+001	4.6738984+001	2.2615046+003	1.1199190+005
9	7, 2	5.1187812+001	4.6661193+001	2.2568887+003	1.1174774+005
9	8, 2	6.5256300+001	6.2685469+001	3,9663553+003	2.5223566+005
9	8, 1	6.5256662+001	6.2682883+001	3.9661514+003	2.5222158+005
9	9, 1	8.1411955+001	8.0569324+001	6.5053828+003	5.2592910+005
9	9, 0	8.1411959+001	8.0569292+001	6.5053795+003	5.2592881+005
10	0,10	−2.3318803+001	3.2616409+000	3.1735959+001	5.1048679+002
10	1,10	−2.3318793+001	3.2617432+000	3.1731419+001	5.1075833+002
10	1, 9	−7.0513291+000	9.2060424+000	1.4112982+002	3.0063473+003
10	2, 9	−7.0505283+000	9.2130100+000	1.4098484+002	3.0140680+003
10	2, 8	7.2186427+000	1.3763003+001	3.1168912+002	8.5695090+003
10	3, 8	7.2431053+000	1.3947006+001	3.1165712+002	8.6737485+003
10	3, 7	1.9162838+001	1.5555373+001	4.5509809+002	1.5301715+004
10	4, 7	1.9527579+001	1.7771277+001	4.9306882+002	1.6847400+004
10	4, 6	2.7813170+001	1.3054159+001	4.2699784+002	1.6674211+004
10	5, 6	3.0226856+001	2.2814662+001	7.2684058+002	2.8208463+004
10	5, 5	3.3907580+001	1.5648439+001	4.9690342+002	2.0327641+004
10	6, 5	4.0693703+001	3.1977922+001	1.2243104+003	5.3163891+004
10	6, 4	4.1454669+001	2.8904980+001	1.0896305+003	4.7388321+004
10	7, 4	5.2499143+001	4.5422701+001	2.2234187+003	1.1494984+005
10	7, 3	5.2566634+001	4.5036848+001	2.2005759+003	1.1371233+005
10	8, 3	6.6374531+001	6.1513135+001	3.8831180+003	2.4958290+005
10	8, 2	6.6377605+001	6.1491566+001	3.8814294+003	2.4946582+005
10	9, 2	8.2381947+001	7.9553888+001	6.3753522+003	5.1310219+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

10 9, 1	8.2382019+001	7.9553298+001	6.3752928+003	5.1309697+005
10 10, 1	1.0045472+002	9.9524657+001	9.9225180+003	9.9035174+005
10 10, 0	1.0045472+002	9.9524651+001	9.9225172+003	9.9035165+005
11 0,11	−2.8839904+001	3.5981326+000	3.8627416+001	6.8617202+002
11 1,11	−2.8839901+001	3.5981582+000	3.8626013+001	6.8627488+002
11 1,10	−1.0836515+001	1.0227393+001	1.7391369+002	4.1168671+003
11 2,10	−1.0836309+001	1.0229378+001	1.7385656+002	4.1205158+003
11 2, 9	5.1946939+000	1.5574791+001	3.9259413+002	1.2097580+004
11 3, 9	5.2019762+000	1.5636745+001	3.9224854+002	1.2154172+004
11 3, 8	1.9060208+001	1.8845224+001	6.1528454+002	2.3332523+004
11 4, 8	1.9193520+001	1.9803283+001	6.2911729+002	2.4181171+004
11 4, 7	3.0037314+001	1.7414009+001	6.7160126+002	2.9722845+004
11 5, 7	3.1271278+001	2.4010227+001	8.7395499+002	3.8913868+004
11 5, 6	3.7466566+001	1.5600783+001	6.0081513+002	2.9139650+004
11 6, 6	4.2367490+001	3.1482892+001	1.3031079+003	6.3936401+004
11 6, 5	4.4314600+001	2.5051683+001	1.0128569+003	5.0408053+004
11 7, 5	5.4131788+001	4.3975732+001	2.2142696+003	1.2284322+005
11 7, 4	5.4396778+001	4.2552986+001	2.1296378+003	1.1805712+005
11 8, 4	6.7766973+001	6.0062443+001	3.8137773+003	2.5248273+005
11 8, 3	6.7784957+001	5.9939507+001	3.8041953+003	2.5180792+005
11 9, 3	8.3576031+001	7.8299212+001	6.2543660+003	5.0682401+005
11 9, 2	8.3576714+001	7.8293689+001	6.2538142+003	5.0677541+005
11 10, 2	1.0150833+002	9.8422005+001	9.7441410+003	9.6823918+005
11 10, 1	1.0150834+002	9.8421877+001	9.7441249+003	9.6823743+005
11 11, 1	1.2149754+002	1.2047993+002	1.4536535+004	1.7555845+006
11 11, 0	1.2149754+002	1.2047993+002	1.4536535+004	1.7555844+006
12 0,12	−3.4941730+001	3.9343998+000	4.6194866+001	8.9803388+002
12 1,12	−3.4941729+001	3.9344061+000	4.6194450+001	8.9807053+002
12 1,11	−1.5203586+001	1.1244242+001	2.1008925+002	5.4681448+003
12 2,11	−1.5203535+001	1.1244788+001	2.1006860+002	5.4697174+003
12 2,10	2.5775659+000	1.7327211+001	4.8190281+002	1.6431866+004
12 3,10	2.5796383+000	1.7346859+001	4.8166523+002	1.6460364+004
12 3, 9	1.8273498+001	2.1717094+001	7.8410279+002	3.3156556+004
12 4, 9	1.8318316+001	2.2086042+001	7.8800404+002	3.3587199+004
12 4, 8	3.1450700+001	2.2434771+001	9.7245866+002	4.8152690+004
12 5, 8	3.1987354+001	2.5999131+001	1.0782277+003	5.4005928+004
12 5, 7	4.1015885+001	1.8323741+001	8.5507600+002	4.7474871+004
12 6, 7	4.4089403+001	3.1804071+001	1.4592282+003	8.1152656+004
12 6, 6	4.8036791+001	2.1970695+001	9.9828051+002	5.7745556+004
12 7, 6	5.6061042+001	4.2668343+001	2.2572014+003	1.3747641+005
12 7, 5	5.6886365+001	3.8699073+001	2.0175416+003	1.2305470+005
12 8, 5	6.9475281+001	5.8343637+001	3.7677424+003	2.6232300+005
12 8, 4	6.9555991+001	5.7812792+001	3.7263717+003	2.5932247+005
12 9, 4	8.5033267+001	7.6761680+001	6.1476425+003	5.0874234+005
12 9, 3	8.5037730+001	7.6726296+001	6.1441257+003	5.0842937+005
12 10, 3	1.0278013+002	9.7086317+001	9.5760641+003	9.5570284+005
12 10, 2	1.0278028+002	9.7084987+001	9.5758988+003	9.5568480+005
12 11, 2	1.2263527+002	1.1928958+002	1.4299069+004	1.7194229+006
12 11, 1	1.2263527+002	1.1928955+002	1.4299065+004	1.7194224+006
12 12, 1	1.4454041+002	1.4343515+002	2.0598893+004	2.9607086+006
12 12, 0	1.4454041+002	1.4343515+002	2.0598893+004	2.9607086+006
13 0,13	−4.1624259+001	4.2705145+000	5.4437598+001	1.1494986+003
13 1,13	−4.1624259+001	4.2705160+000	5.4437479+001	1.1495110+003
13 1,12	−2.0152090+001	1.2258652+001	2.4964486+002	7.0843925+003
13 2,12	−2.0152077+001	1.2258798+001	2.4963787+002	7.0850215+003
13 2,11	−6.2641908−001	1.9052835+001	5.7987886+002	2.1661079+004
13 3,11	−6.2585007−001	1.9058779+001	5.7976171+002	2.1674393+004
13 3,10	1.6856824+001	2.4348031+001	9.6540178+002	4.5017551+004
13 4,10	1.6870996+001	2.4479025+001	9.6613136+002	4.5225688+004
13 4, 9	3.2042359+001	2.6972447+001	1.2886215+003	7.0783095+004
13 5, 9	3.2249177+001	2.8590016+001	1.3330538+003	7.3931822+004
13 5, 8	4.4052065+001	2.3704563+001	1.2792801+003	7.9334929+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.100000 —*CONTINUED*

13 6, 8	4.5687537+001	3.3148583+001	1.7070342+003	1.0654809+005
13 6, 7	5.2321370+001	2.1409312+001	1.1428931+003	7.6151136+004
13 7, 7	5.8215533+001	4.1911071+001	2.3837822+003	1.6144130+005
13 7, 6	6.0274068+001	3.3692441+001	1.8739058+003	1.2832440+005
13 8, 6	7.1526177+001	5.6481432+001	3.7630325+003	2.8103123+005
13 8, 5	7.1818533+001	5.4672179+001	3.6211725+003	2.7027355+005
13 9, 5	8.6796314+001	7.4907480+001	6.0616246+003	5.2048461+005
13 9, 4	8.6818727+001	7.4734481+001	6.0444735+003	5.1892648+005
13 10, 4	1.0430474+002	9.5475475+001	9.4236590+003	9.5496318+005
13 10, 3	1.0430579+002	9.5466031+001	9.4224924+003	9.5483501+005
13 11, 3	1.2398642+002	1.1787181+002	1.4073289+004	1.6968143+006
13 11, 2	1.2398645+002	1.1787151+002	1.4073243+004	1.6968082+006
13 12, 2	1.4576263+002	1.4215669+002	2.0290505+004	2.9040908+006
13 12, 1	1.4576263+002	1.4215668+002	2.0290504+004	2.9040906+006
13 13, 1	1.6958331+002	1.6839033+002	2.8385051+004	4.7883191+006
13 13, 0	1.6958331+002	1.6839033+002	2.8385051+004	4.7883191+006
14 0,14	−4.8887478+001	4.6065166+000	6.3355386+001	1.4439753+003
14 1,14	−4.8887478+001	4.6065170+000	6.3355353+001	1.4439794+003
14 1,13	−2.5681793+001	1.3271510+001	2.9257525+002	8.9896781+003
14 2,13	−2.5681790+001	1.3271548+001	2.9257300+002	8.9899146+003
14 2,12	−4.4146533+000	2.0765194+001	6.8658742+002	2.7873039+004
14 3,12	−4.4145016+000	2.0766925+001	6.8653823+002	2.7878841+004
14 3,11	1.4835969+001	2.6862099+001	1.1617278+003	5.9175955+004
14 4,11	1.4840243+001	2.6905841+001	1.1617034+003	5.9272462+004
14 4,10	3.1905155+001	3.0887259+001	1.6134263+003	9.7435040+004
14 5,10	3.1978357+001	3.1539533+001	1.6291184+003	9.8964565+004
14 5, 9	4.6246144+001	3.0164754+001	1.8092876+003	1.2389751+005
14 6, 9	4.6990258+001	3.5497335+001	2.0484613+003	1.4155205+005
14 6, 8	5.6668377+001	2.4331754+001	1.5327358+003	1.1490746+005
14 7, 8	6.0461430+001	4.2121863+001	2.6265204+003	1.9801594+005
14 7, 7	6.4613465+001	2.9418620+001	1.8097864+003	1.4061974+005
14 8, 7	7.3909466+001	5.4780631+001	3.8313300+003	3.1167022+005
14 8, 6	7.4780959+001	4.9915992+001	3.4442878+003	2.8053097+005
14 9, 6	8.8906273+001	7.2753100+001	6.0075764+003	5.4394345+005
14 9, 5	8.8997801+001	7.2073333+001	5.9400893+003	5.3761147+005
14 10, 5	1.0612120+002	9.3543679+001	9.2922033+003	9.6808409+005
14 10, 4	1.0612701+002	9.3492385+001	9.2858904+003	9.6738018+005
14 11, 4	1.2558175+002	1.1618863+002	1.3865064+004	1.6907157+006
14 11, 3	1.2558199+002	1.1618626+002	1.3864707+004	1.6906681+006
14 12, 3	1.4719439+002	1.4065549+002	1.9995259+004	2.8661231+006
14 12, 2	1.4719439+002	1.4065542+002	1.9995246+004	2.8661212+006
14 13, 2	1.7089030+002	1.6702343+002	2.7992827+004	4.7028525+006
14 13, 1	1.7089030+002	1.6702343+002	2.7992827+004	4.7028525+006
14 14, 1	1.9662624+002	1.9534548+002	3.8194470+004	7.4727882+006
14 14, 0	1.9662624+002	1.9534548+002	3.8194470+004	7.4727882+006
15 0,15	−5.6731376+001	4.9424319+000	7.2948164+001	1.7848651+003
15 1,15	−5.6731376+001	4.9424320+000	7.2948155+001	1.7848664+003
15 1,14	−3.1792555+001	1.4283266+001	3.3887868+002	1.1207933+004
15 2,14	−3.1792554+001	1.4283276+001	3.3887798+002	1.1208017+004
15 2,13	−8.7859244+000	2.2469967+001	8.0204065+002	3.5154615+004
15 3,13	−8.7858849+000	2.2470456+001	8.0202198+002	3.5156992+004
15 3,12	1.2222052+001	2.9320376+001	1.3741836+003	7.5876028+004
15 4,12	1.2223293+001	2.9334287+001	1.3740751+003	7.5918921+004
15 4,11	3.1111633+001	3.4411899+001	1.9542273+003	1.2863779+005
15 5,11	3.1135968+001	3.4654036+001	1.9589438+003	1.2933663+005
15 5,10	4.7559176+001	3.6104847+001	2.3642703+003	1.7743146+005
15 6,10	4.7859127+001	3.8630707+001	2.4733246+003	1.8701650+005
15 6, 9	6.0533376+001	3.0679606+001	2.2030566+003	1.8234278+005
15 7, 9	6.2623851+001	4.3560788+001	3.0080999+003	2.5062869+005
15 7, 8	6.9617127+001	2.8123507+001	1.9857221+003	1.7414984+005
15 8, 8	7.6556795+001	5.3707042+001	4.0172042+003	3.5887859+005
15 8, 7	7.8692636+001	4.3677583+001	3.1990476+003	2.8828526+005
15 9, 7	9.1389961+001	7.0438905+001	6.0084709+003	5.8199681+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.100000 —*CONTINUED*				
15 9, 6	9.1702709+001	6.8248792+001	5.7895525+003	5.6052435+005
15 10, 6	1.0827187+002	9.1257110+001	9.1884653+003	9.9707249+005
15 10, 5	1.0829813+002	9.1031504+001	9.1607294+003	9.9390547+005
15 11, 5	1.2745597+002	1.1419512+002	1.3679657+004	1.7038451+006
15 11, 4	1.2745740+002	1.1418096+002	1.3677537+004	1.7035600+006
15 12, 4	1.4886326+002	1.3889770+002	1.9719639+004	2.8506643+006
15 12, 3	1.4886331+002	1.3889713+002	1.9719536+004	2.8506480+006
15 13, 3	1.7240362+002	1.6543766+002	2.7615248+004	4.6424416+006
15 13, 2	1.7240362+002	1.6543765+002	2.7615245+004	4.6424410+006
15 14, 2	1.9801821+002	1.9388988+002	3.7704414+004	7.3477212+006
15 14, 1	1.9801821+002	1.9388988+002	3.7704414+004	7.3477212+006
15 15, 1	2.2566918+002	2.2430060+002	5.0350610+004	1.1309249+007
15 15, 0	2.2566918+002	2.2430060+002	5.0350610+004	1.1309249+007
KAPPA = −0.200000				
2 0, 2	−1.7944947−001	1.6467413−001	6.5869652−001	2.6347861+000
2 1, 2	2.5000000−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.7500000+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.1794495+000	3.8353259+000	1.5341303+001	6.1365214+001
3 0, 3	−7.8388218−001	5.6315758−001	2.2526303+000	9.0105213+000
3 1, 3	−5.9767986−001	1.0805993+000	1.8059926+000	8.3345330+000
3 1, 2	2.3588350+000	1.1665091+000	2.6650914+000	1.6152332+001
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.7838822+000	3.4368424+000	1.3747370+001	5.4989479+001
3 3, 1	9.0976799+000	8.9194007+000	8.0194007+001	7.2166547+002
3 3, 0	9.1411650+000	8.8334909+000	7.9334909+001	7.1384767+002
4 0, 4	−1.9291600+000	1.0146002+000	4.3178778+000	2.1423141+001
4 1, 4	−1.8624861+000	1.2583426+000	3.5834261+000	2.4509178+001
4 1, 3	2.8588350+000	1.7562770+000	8.5627696+000	6.9821204+001
4 2, 3	3.8558971+000	4.1407231+000	1.8814462+001	1.1128296+002
4 2, 2	5.7764053+000	3.1522819+000	1.4983475+001	9.7923455+001
4 3, 2	9.3624861+000	8.7416574+000	7.8416574+001	7.0549082+002
4 3, 1	9.6411650+000	8.2437230+000	7.3437230+001	6.6017880+002
4 4, 1	1.6144103+001	1.5859277+001	2.5318554+002	4.0487170+003
4 4, 0	1.6152755+001	1.5833118+001	2.5269865+002	4.0406534+003
5 0, 5	−3.6118742+000	1.4129349+000	6.7638932+000	4.4850030+001
5 1, 5	−3.5905275+000	1.5094364+000	6.1776404+000	5.0273375+001
5 1, 4	2.9707999+000	2.8828501+000	2.0343333+001	1.9035849+002
5 2, 4	3.4616516+000	4.4940224+000	2.5880448+001	2.2999152+002
5 2, 3	7.0000000+000	3.2941176+000	2.3058824+001	2.5035294+002
5 3, 3	9.6625439+000	8.6723412+000	8.1974015+001	8.4795417+002
5 3, 2	1.0599666+001	7.3052264+000	6.7996553+001	7.1282571+002
5 4, 2	1.6538348+001	1.5505978+001	2.4611955+002	3.9300085+003
5 4, 1	1.6611874+001	1.5292947+001	2.4217728+002	3.8647970+003
5 5, 1	2.5177984+001	2.4818222+001	6.1884834+002	1.5456772+004
5 5, 0	2.5179534+001	2.4811924+001	6.1866011+002	1.5451816+004
6 0, 6	−5.8113078+000	1.7663914+000	9.7561642+000	8.2825446+001
6 1, 6	−5.8049244+000	1.8007083+000	9.4115713+000	8.8021553+001
6 1, 5	2.5158598+000	4.2230512+000	3.6204394+001	3.9838352+002
6 2, 5	2.7175592+000	5.0758974+000	3.7729526+001	4.3734993+002
6 2, 4	8.1985624+000	4.1846736+000	4.4309051+001	6.3547090+002
6 3, 4	9.9061845+000	8.8497083+000	9.4513292+001	1.2408908+003
6 3, 3	1.2069082+001	6.4921255+000	6.9641443+001	9.8098998+002
6 4, 3	1.7072897+001	1.5140196+001	2.4544153+002	4.1788124+003
6 4, 2	1.7402941+001	1.4266356+001	2.2916403+002	3.9001006+003
6 5, 2	2.5648740+001	2.4349583+001	6.0307514+002	1.5026088+004
6 5, 1	2.5665058+001	2.4284823+001	6.0115416+002	1.4975627+004
6 6, 1	3.6209544+001	3.5783907+001	1.2848289+003	4.6199838+004
6 6, 0	3.6209804+001	3.5782579+001	1.2847708+003	4.6197603+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

7	0, 7	−8.5168254+000	2.0980941+000	1.3379765+001	1.3754674+002
7	1, 7	−8.5150019+000	2.1094484+000	1.3210518+001	1.4124930+002
7	1, 6	1.4759975+000	5.4635121+000	5.4262268+001	7.1170433+002
7	2, 6	1.5492370+000	5.8401381+000	5.3973624+001	7.4785469+002
7	2, 5	9.0589886+000	5.9985477+000	8.4069949+001	1.4270852+003
7	3, 5	9.9769224+000	9.3786102+000	1.1902560+002	1.9769003+003
7	3, 4	1.3894903+001	6.3707148+000	8.8236147+001	1.6813999+003
7	4, 4	1.7708106+001	1.4923092+001	2.5726742+002	5.0112712+003
7	4, 3	1.8711918+001	1.2682964+001	2.1450352+002	4.2217612+003
7	5, 3	2.6297226+001	2.3760742+001	5.9306993+002	1.5285792+004
7	5, 2	2.6388204+001	2.3414830+001	5.8282314+002	1.5011656+004
7	6, 2	3.6742657+001	3.5236770+001	1.2567590+003	4.5056874+004
7	6, 1	3.6745918+001	3.5220394+001	1.2560468+003	4.5029607+004
7	7, 1	4.9240854+001	4.8751200+001	2.3826940+003	1.1660006+005
7	7, 0	4.9240896+001	4.8750943+001	2.3826784+003	1.1659924+005
8	0, 8	−1.1724455+001	2.4209661+000	1.7642825+001	2.1122726+002
8	1, 8	−1.1723951+001	2.4245323+000	1.7569130+001	2.1341583+002
8	1, 7	−1.1177089−001	6.5680839+000	7.4541602+001	1.1496308+003
8	2, 7	−8.7248305−002	6.7158863+000	7.3915506+001	1.1788345+003
8	2, 6	9.3415508+000	8.3251349+000	1.3868472+002	2.7247242+003
8	3, 6	9.7578701+000	1.0286419+001	1.5681319+002	3.1400498+003
8	3, 5	1.5795318+001	7.3742346+000	1.3674965+002	3.2429588+003
8	4, 5	1.8357259+001	1.5045019+001	2.8834111+002	6.6787692+003
8	4, 4	2.0631344+001	1.1120431+001	2.1050524+002	5.0987261+003
8	5, 4	2.7131957+001	2.3150904+001	5.9568978+002	1.6606960+004
8	5, 3	2.7481722+001	2.1923221+001	5.5900184+002	1.5579460+004
8	6, 3	3.7457756+001	3.4520357+001	1.2337212+003	4.5105833+004
8	6, 2	3.7479321+001	3.4414778+001	1.2291488+003	4.4929018+004
8	7, 2	4.9834123+001	4.8138144+001	2.3379279+003	1.1404357+005
8	7, 1	4.9834731+001	4.8134460+001	2.3377069+003	1.1403195+005
8	8, 1	6.4272233+001	6.3718737+001	4.0680222+003	2.5999656+005
8	8, 0	6.4272239+001	6.3718690+001	4.0680184+003	2.5999630+005
9	0, 9	−1.5432857+001	2.7404483+000	2.2531316+001	3.0647009+002
9	1, 9	−1.5432721+001	2.7415250+000	2.2501904+001	3.0760429+002
9	1, 8	−2.2205924+000	7.5922877+000	9.7521016+001	1.7306221+003
9	2, 8	−2.2128320+000	7.6458063+000	9.7060142+001	1.7508721+003
9	2, 7	8.9879664+000	1.0568142+001	2.0035594+002	4.5282934+003
9	3, 7	9.1539328+000	1.1513184+001	2.0720301+002	4.8017623+003
9	3, 6	1.7425792+001	9.7594167+000	2.2767793+002	6.2949173+003
9	4, 6	1.8901087+001	1.5655647+001	3.4435976+002	9.4565467+003
9	4, 5	2.3034037+001	1.0458724+001	2.3875903+002	7.1784693+003
9	5, 5	2.8121149+001	2.2714513+001	6.2075091+002	1.9463162+004
9	5, 4	2.9132528+001	1.9645141+001	5.2690588+002	1.6634226+004
9	6, 4	3.8385718+001	3.3656062+001	1.2213637+003	4.6865947+004
9	6, 3	3.8484720+001	3.3190965+001	1.2011978+003	4.6064316+004
9	7, 3	5.0603943+001	4.7344532+001	2.2981349+003	1.1345816+005
9	7, 2	5.0608575+001	4.7316916+001	2.2964867+003	1.1337099+005
9	8, 2	6.4926026+001	6.3042484+001	4.0012164+003	2.5488663+005
9	8, 1	6.4926134+001	6.3041721+001	4.0011559+003	2.5488245+005
9	9, 1	8.1303696+001	8.0686246+001	6.5204093+003	5.2741431+005
9	9, 0	8.1303697+001	8.0686238+001	6.5204085+003	5.2741424+005
10	0,10	−1.9641588+001	3.0585922+000	2.8032589+001	4.2612419+002
10	1,10	−1.9641552+001	3.0589073+000	2.8021602+001	4.2665680+002
10	1, 9	−4.8381245+000	8.5787510+000	1.2345153+002	2.4730312+003
10	2, 9	−4.8357692+000	8.5970215+000	1.2319782+002	2.4853067+003
10	2, 8	8.0419181+000	1.2550746+001	2.6671449+002	6.8586637+003
10	3, 8	8.1024629+000	1.2951752+001	2.6844329+002	7.0258831+003
10	3, 7	1.8487949+001	1.3106973+001	3.5686803+002	1.1217091+004
10	4, 7	1.9211968+001	1.6807705+001	4.2820236+002	1.3612789+004
10	4, 6	2.5626313+001	1.1327435+001	3.2393218+002	1.1634079+004
10	5, 6	2.9185192+001	2.2692628+001	6.7959349+002	2.4442984+004
10	5, 5	3.1471729+001	1.7160275+001	5.0424498+002	1.8663614+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.200000 —*CONTINUED*

10	6, 5	3.9538636+001	3.2753612+001	1.2292683+003	5.1009307+004
10	6, 4	3.9887264+001	3.1228072+001	1.1625016+003	4.8224102+004
10	7, 4	5.1585248+001	4.6349861+001	2.2676010+003	1.1553414+005
10	7, 3	5.1609778+001	4.6207298+001	2.2591098+003	1.1507726+005
10	8, 3	6.5749941+001	6.2187963+001	3.9398729+003	2.5290016+005
10	8, 2	6.5750869+001	6.2181458+001	3.9393607+003	2.5286461+005
10	9, 2	8.2018649+001	7.9946852+001	6.4253407+003	5.1801533+005
10	9, 1	8.2018668+001	7.9946704+001	6.4253256+003	5.1801401+005
10	10, 1	1.0033522+002	9.9653697+001	9.9434586+003	9.9295244+005
10	10, 0	1.0033522+002	9.9653696+001	9.9434584+003	9.9295242+005
11	0,11	−2.4350489+001	3.3761451+000	3.4139416+001	5.7311165+002
11	1,11	−2.4350479+001	3.3762351+000	3.4135522+001	5.7334321+002
11	1,10	−7.9594515+000	9.5486533+000	1.5240190+002	3.3960950+003
11	2,10	−7.9587595+000	9.5546140+000	1.5228235+002	3.4027548+003
11	2, 9	6.5491615+000	1.4346712+001	3.3883657+002	9.7787005+003
11	3, 9	6.5699034+000	1.4502704+001	3.3890727+002	9.8758296+003
11	3, 8	1.8867023+001	1.6515031+001	5.0467074+002	1.7856968+004
11	4, 8	1.9178421+001	1.8439231+001	5.3908310+002	1.9371280+004
11	4, 7	2.8036185+001	1.4092274+001	4.9038168+002	2.0179308+004
11	5, 7	3.0206122+001	2.3288753+001	7.8233301+002	3.2223281+004
11	5, 6	3.4417368+001	1.5666659+001	5.3196062+002	2.3293340+004
11	6, 6	4.0892280+001	3.2032967+001	1.2718690+003	5.8454580+004
11	6, 5	4.1871534+001	2.8249937+001	1.1028800+003	5.0908400+004
11	7, 5	5.2809355+001	4.5176922+001	2.2533570+003	1.2108380+005
11	7, 4	5.2909786+001	4.4615691+001	2.2198422+003	1.1922243+005
11	8, 4	6.6776214+001	6.1122441+001	3.8876839+003	2.5497646+005
11	8, 3	6.6781761+001	6.1084213+001	3.8846841+003	2.5476593+005
11	9, 3	8.2898303+001	7.9034285+001	6.3364914+003	5.1335736+005
11	9, 2	8.2898479+001	7.9032866+001	6.3363488+003	5.1334478+005
11	10, 2	1.0111184+002	9.8850747+001	9.8130817+003	9.7675492+005
11	10, 1	1.0111185+002	9.8850719+001	9.8130782+003	9.7675455+005
11	11, 1	1.2136680+002	1.2062110+002	1.4564776+004	1.7598924+006
11	11, 0	1.2136680+002	1.2062110+002	1.4564776+004	1.7598924+006
12	0,12	−2.9559495+001	3.6933878+000	4.0848418+001	7.5034672+002
12	1,12	−2.9559493+001	3.6934130+000	4.0847094+001	7.5044135+002
12	1,11	−1.1582663+001	1.0511098+001	1.8437413+002	4.5198026+003
12	2,11	−1.1582465+001	1.0512973+001	1.8432327+002	4.5231025+003
12	2,10	4.5347306+000	1.6044324+001	4.1787383+002	1.3363730+004
12	3,10	4.5415090+000	1.6101268+001	4.1762807+002	1.3417258+004
12	3, 9	1.8598698+001	1.9538994+001	6.6004437+002	2.6049765+004
12	4, 9	1.8720522+001	2.0412107+001	6.7360312+002	2.6900473+004
12	4, 8	2.9911216+001	1.8407742+001	7.3785067+002	3.4019032+004
12	5, 8	3.1049769+001	2.4595099+001	9.3482858+002	4.3482813+004
12	5, 7	3.7680398+001	1.6101750+001	6.5546012+002	3.3315679+004
12	6, 7	4.2375348+001	3.1782619+001	1.3668405+003	7.0417265+004
12	6, 6	4.4601226+001	2.4735189+001	1.0417710+003	5.4682606+004
12	7, 6	5.4291747+001	4.3940123+001	2.2678613+003	1.3121019+005
12	7, 5	5.4625928+001	4.2187389+001	2.1622201+003	1.2505846+005
12	8, 5	6.8039344+001	5.9824410+001	3.8494771+003	2.6209692+005
12	8, 4	6.8065039+001	5.9651757+001	3.8359365+003	2.6112603+005
12	9, 4	8.3971014+001	7.7915898+001	6.2575875+003	5.1473383+005
12	9, 3	8.3972185+001	7.7906575+001	6.2566545+003	5.1465092+005
12	10, 3	1.0204885+002	9.7879424+001	9.6897888+003	9.6748019+005
12	10, 2	1.0204888+002	9.7879132+001	9.6897524+003	9.6747621+005
12	11, 2	1.2220545+002	1.1975420+002	1.4391247+004	1.7334115+006
12	11, 1	1.2220545+002	1.1975419+002	1.4391247+004	1.7334114+006
12	12, 1	1.4439840+002	1.4358847+002	2.0635967+004	2.9675260+006
12	12, 0	1.4439840+002	1.4358847+002	2.0635967+004	2.9675260+006
13	0,13	−3.5268576+001	4.0104373+000	4.8158192+001	9.6071796+002
13	1,13	−3.5268576+001	4.0104442+000	4.8157758+001	9.6075470+002
13	1,12	−1.5706973+001	1.1469827+001	2.1935774+002	5.8644267+003
13	2,12	−1.5706917+001	1.1470400+001	2.1933764+002	5.8659443+003

KAPPA = −0.200000 —*CONTINUED*

13	2,11	2.0099009+000	1.7694794+001	5.0439525+002	1.7689666+004
13	3,11	2.0120353+000	1.7714583+001	5.0419759+002	1.7717536+004
13	3,10	1.7746744+001	2.2219925+001	8.2352021+002	3.5889959+004
13	4,10	1.7791282+001	2.2580776+001	8.2793088+002	3.6336465+004
13	4, 9	3.1068557+001	2.3111961+001	1.0295557+003	5.2639951+004
13	5, 9	3.1591382+001	2.6561632+001	1.1368199+003	5.8781951+004
13	5, 8	4.0867261+001	1.8986276+001	9.1751738+002	5.2646902+004
13	6, 8	4.3873955+001	3.2266064+001	1.5309915+003	8.8350156+004
13	6, 7	4.8050726+001	2.2133345+001	1.0460867+003	6.2972566+004
13	7, 7	5.6015492+001	4.2877257+001	2.3309563+003	1.4752968+005
13	7, 6	5.6937255+001	3.8535132+001	2.0644571+003	1.3101485+005
13	8, 6	6.9571162+001	5.8315114+001	3.8334481+003	2.7542856+005
13	8, 5	6.9668639+001	5.7683934+001	3.7837755+003	2.7174715+005
13	9, 5	8.5268585+001	7.6557373+001	6.1925156+003	5.2341096+005
13	9, 4	8.5274624+001	7.6510187+001	6.1878034+003	5.2298590+005
13	10, 4	1.0317115+002	9.6710335+001	9.5776371+003	9.6688678+005
13	10, 3	1.0317139+002	9.6708220+001	9.5773740+003	9.6685788+005
13	11, 3	1.2320105+002	1.1872291+002	1.4225714+004	1.7167101+006
13	11, 2	1.2320106+002	1.1872285+002	1.4225705+004	1.7167090+006
13	12, 2	1.4529937+002	1.4265731+002	2.0410655+004	2.9260761+006
13	12, 1	1.4529937+002	1.4265731+002	2.0410655+004	2.9260761+006
13	13, 1	1.6943003+002	1.6855581+002	2.8432639+004	4.7987040+006
13	13, 0	1.6943003+002	1.6855581+002	2.8432639+004	4.7987040+006
14	0,14	−4.1477713+001	4.3273510+000	5.6068209+001	1.2070935+003
14	1,14	−4.1477712+001	4.3273529+000	5.6068071+001	1.2071072+003
14	1,13	−2.0332013+001	1.2426419+001	2.5734490+002	7.4502254+003
14	2,13	−2.0331997+001	1.2426590+001	2.5733740+002	7.4508813+003
14	2,12	−1.0204838+000	1.9322473+001	5.9860891+002	2.2831305+004
14	3,12	−1.0198316+000	1.9329083+001	5.9849945+002	2.2845005+004
14	3,11	1.6352580+001	2.4699666+001	9.9819742+002	4.7588201+004
14	4,11	1.6368053+001	2.4839044+001	9.9931051+002	4.7812608+004
14	4,10	3.1517724+001	2.7364705+001	1.3339857+003	7.5042324+004
14	5,10	3.1734926+001	2.9028244+001	1.3828340+003	7.8495977+004
14	5, 9	4.3577885+001	2.4119183+001	1.3294542+003	8.4497455+004
14	6, 9	4.5250662+001	3.3628377+001	1.7753170+003	1.1374146+005
14	6, 8	5.1954109+001	2.1798087+001	1.1961721+003	8.1828237+004
14	7, 8	5.7918298+001	4.2318902+001	2.4684638+003	1.7230953+005
14	7, 7	6.0031630+001	3.3953510+001	1.9403942+003	1.3712798+005
14	8, 7	7.1390323+001	5.6708611+001	3.8549000+003	2.9664360+005
14	8, 6	7.1702072+001	5.4801841+001	3.7034982+003	2.8490270+005
14	9, 6	8.6825118+001	7.4935036+001	6.1463478+003	5.4068289+005
14	9, 5	8.6850672+001	7.4740293+001	6.1268910+003	5.3888579+005
14	10, 5	1.0450681+002	9.5309251+001	9.4804622+003	9.7666754+005
14	10, 4	1.0450814+002	9.5297428+001	9.4789961+003	9.7650475+005
14	11, 4	1.2437569+002	1.1750122+002	1.4072664+004	1.7121252+006
14	11, 3	1.2437574+002	1.1750076+002	1.4072596+004	1.7121160+006
14	12, 3	1.4635447+002	1.4156500+002	2.0194275+004	2.8980604+006
14	12, 2	1.4635447+002	1.4156499+002	2.0194273+004	2.8980600+006
14	13, 2	1.7039351+002	1.6756016+002	2.8146123+004	4.7361493+006
14	13, 1	1.7039351+002	1.6756016+002	2.8146123+004	4.7361493+006
14	14, 1	1.9646168+002	1.9552312+002	3.8254398+004	7.4881035+006
14	14, 0	1.9646168+002	1.9552312+002	3.8254398+004	7.4881035+006
15	0,15	−4.8186892+001	4.6441623+000	6.4578284+001	1.4923297+003
15	1,15	−4.8186892+001	4.6441628+000	6.4578241+001	1.4923346+003
15	1,14	−2.5457583+001	1.3381606+001	2.9833180+002	9.2973486+003
15	2,14	−2.5457579+001	1.3381656+001	2.9832913+002	9.2976176+003
15	2,13	−4.5542582+000	2.0938202+001	7.0057650+002	2.8862378+004
15	3,13	−4.5540638+000	2.0940339+001	7.0052516+002	2.8868754+004
15	3,12	1.4436897+001	2.7076155+001	1.1861409+003	6.1365232+004
15	4,12	1.4442060+001	2.7127251+001	1.1862857+003	6.1474164+004
15	4,11	3.1335342+001	3.1077416+001	1.6461779+003	1.0108597+005
15	5,11	3.1419288+001	3.1802861+001	1.6655086+003	1.0285857+005
15	5,10	4.5555555+001	3.0185525+001	1.8363068+003	1.2800008+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.200000 —*CONTINUED*				
15 6,10	4.6370120+001	3.5846979+001	2.1014416+003	1.4782301+005
15 6, 9	5.5904725+001	2.4483441+001	1.5633615+003	1.1926102+005
15 7, 9	5.9892458+001	4.2591500+001	2.7066353+003	2.0836321+005
15 7, 8	6.3943860+001	3.0013845+001	1.8846406+003	1.4944525+005
15 8, 8	7.3486860+001	5.5252950+001	3.9396337+003	3.2836331+005
15 8, 7	7.4336345+001	5.0519739+001	3.5577053+003	2.9701517+005
15 9, 7	8.8672960+001	7.3066308+001	6.1281199+003	5.6811148+005
15 9, 6	8.8764743+001	7.2390810+001	6.0603652+003	5.6164257+005
15 10, 6	1.0608716+002	9.3639925+001	9.4020672+003	9.9842438+005
15 10, 5	1.0609335+002	9.3585894+001	9.3953747+003	9.9766828+005
15 11, 5	1.2575410+002	1.1605836+002	1.3936283+004	1.7219131+006
15 11, 4	1.2575438+002	1.1605559+002	1.3935865+004	1.7218570+006
15 12, 4	1.4758356+002	1.4028842+002	1.9991772+004	2.8865119+006
15 12, 3	1.4758356+002	1.4028832+002	1.9991756+004	2.8865092+006
15 13, 3	1.7150880+002	1.6640604+002	2.7869499+004	4.6916154+006
15 13, 2	1.7150880+002	1.6640604+002	2.7869499+004	4.6916154+006
15 14, 2	1.9748782+002	1.9446282+002	3.7896470+004	7.3965856+006
15 14, 1	1.9748782+002	1.9446282+002	3.7896470+004	7.3965856+006
15 15, 1	2.2549335+002	2.2449042+002	5.0424851+004	1.1331217+007
15 15, 0	2.2549335+002	2.2449042+002	5.0424851+004	1.1331217+007
KAPPA = −0.300000				
2 0, 2	−1.3071465−001	1.2269559−001	4.9078236−001	1.9631295+000
2 1, 2	3.6363636−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.6363636+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.1307146+000	3.8773044+000	1.5509218+001	6.2036871+001
3 0, 3	−5.8838261−001	4.5463341−001	1.8185336+000	7.2741346+000
3 1, 3	−3.4495142−001	1.0613553+000	1.6135525+000	6.5833278+000
3 1, 2	2.1738529+000	1.1142228+000	2.1422277+000	1.1394272+001
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.5883826+000	3.5453666+000	1.4181466+001	5.6725865+001
3 3, 1	9.0722241+000	8.9386447+000	8.0386447+001	7.2341667+002
3 3, 0	9.0988744+000	8.8857772+000	7.9857772+001	7.1860573+002
4 0, 4	−1.4938167+000	8.7747304−001	3.6804764+000	1.7451252+001
4 1, 4	−1.3939394+000	1.2045455+000	3.0454545+000	1.9613636+001
4 1, 3	2.6731664+000	1.5290671+000	6.2906711+000	4.9145107+001
4 2, 3	3.8959135+000	4.1023116+000	1.8046232+001	9.8376691+001
4 2, 2	5.3852611+000	3.2383243+000	1.4616964+001	8.5086533+001
4 3, 2	9.2727273+000	8.7954545+000	7.8954545+001	7.1038636+002
4 3, 1	9.4480457+000	8.4709329+000	7.5709329+001	6.8085489+002
4 4, 1	1.6104086+001	1.5897688+001	2.5395377+002	4.0616233+003
4 4, 0	1.6108556+001	1.5884203+001	2.5370256+002	4.0574622+003
5 0, 5	−2.8616189+000	1.2700984+000	5.8699976+000	3.6113652+001
5 1, 5	−2.8250329+000	1.4183288+000	5.2353920+000	4.0891571+001
5 1, 4	2.9195747+000	2.4089669+000	1.5367084+001	1.3892552+002
5 2, 4	3.6078561+000	4.3680868+000	2.3361735+001	1.8767716+002
5 2, 3	6.4308355+000	3.2112585+000	1.9592775+001	1.8633495+002
5 3, 3	9.5154750+000	8.7115154+000	8.1163755+001	8.0944892+002
5 3, 2	1.0133828+001	7.7236110+000	7.1113843+001	7.1356926+002
5 4, 2	1.6392144+001	1.5631913+001	2.4863826+002	3.9723228+003
5 4, 1	1.6430783+001	1.5518643+001	2.4653723+002	3.9375514+003
5 5, 1	2.5127740+001	2.4870156+001	6.2060085+002	1.5504660+004
5 5, 0	2.5128415+001	2.4867422+001	6.2051907+002	1.5502505+004
6 0, 6	−4.6747916+000	1.6169424+000	8.4817380+000	6.6579631+001
6 1, 6	−4.6622955+000	1.6771445+000	8.0389350+000	7.1982311+001
6 1, 5	2.7272727+000	3.6181818+000	2.8981818+001	3.0225455+002
6 2, 5	3.0549334+000	4.8276384+000	3.2672667+001	3.4880083+002
6 2, 4	7.5502210+000	3.7071067+000	3.3450474+001	4.3977709+002
6 3, 4	9.7410119+000	8.7919398+000	8.9803997+001	1.0910275+003
6 3, 3	1.1253329+001	6.8795829+000	6.9714560+001	8.8319765+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

6	4, 3	1.6794872+001	1.5325962+001	2.4728055+002	4.1361562+003
6	4, 2	1.6974280+001	1.4830038+001	2.3804232+002	3.9794194+003
6	5, 2	2.5466738+001	2.4530916+001	6.0915707+002	1.5191990+004
6	5, 1	2.5473944+001	2.4502235+001	6.0830362+002	1.5169548+004
6	6, 1	3.6150195+001	3.5846399+001	1.2880468+003	4.6331043+004
6	6, 0	3.6150290+001	3.5845913+001	1.2880255+003	4.6330224+004
7	0, 7	−6.9211264+000	1.9362589+000	1.1616616+001	1.1097899+002
7	1, 7	−6.9170526+000	1.9589817+000	1.1363087+001	1.1545250+002
7	1, 6	2.0321103+000	4.8425537+000	4.5172327+001	5.5307826+002
7	2, 6	2.1694711+000	5.4645479+000	4.5992322+001	5.9536445+002
7	2, 5	8.5109657+000	4.9616922+000	6.1701960+001	9.8107504+002
7	3, 5	9.8658771+000	9.1330881+000	1.0753954+002	1.6313950+003
7	3, 4	1.2754402+001	6.4085576+000	7.8459448+001	1.3198721+003
7	4, 4	1.7298007+001	1.5079283+001	2.5405152+002	4.7087274+003
7	4, 3	1.7876426+001	1.3651966+001	2.2699084+002	4.2222198+003
7	5, 3	2.5939180+001	2.4084595+001	6.0111706+002	1.5354722+004
7	5, 2	2.5980267+001	2.3925632+001	5.9639270+002	1.5228872+004
7	6, 2	3.6532522+001	3.5456169+001	1.2679562+003	4.5511908+004
7	6, 1	3.6533735+001	3.5450083+001	1.2676906+003	4.5501726+004
7	7, 1	4.9172601+001	4.8823336+001	2.3879803+003	1.1690243+005
7	7, 0	4.9172614+001	4.8823256+001	2.3879755+003	1.1690218+005
8	0, 8	−9.5951452+000	2.2426352+000	1.5307372+001	1.7110056+002
8	1, 8	−9.5938606+000	2.2507725+000	1.5179746+001	1.7415260+002
8	1, 7	8.5226596−001	5.9477572+000	6.3192866+001	9.0533346+002
8	2, 7	9.0509612−001	6.2295508+000	6.2867064+001	9.4097435+002
8	2, 6	9.0768438+000	6.9184081+000	1.0592427+002	1.9453301+003
8	3, 6	9.7975135+000	9.7898662+000	1.3620003+002	2.5064668+003
8	3, 5	1.4459723+001	6.6984444+000	1.0631946+002	2.2763285+003
8	4, 5	1.7852994+001	1.5032947+001	2.7406192+002	5.8774516+003
8	4, 4	1.9268230+001	1.2141704+001	2.1744859+002	4.7696384+003
8	5, 4	2.6562273+001	2.3571450+001	6.0055380+002	1.6246489+004
8	5, 3	2.6726474+001	2.2967040+001	5.8249058+002	1.5749099+004
8	6, 3	3.7046825+001	3.4937186+001	1.2509643+003	4.5525651+004
8	6, 2	3.7054985+001	3.4896949+001	1.2492140+003	4.5458075+004
8	7, 2	4.9597710+001	4.8387911+001	2.3560664+003	1.1507689+005
8	7, 1	4.9597901+001	4.8386759+001	2.3559971+003	1.1507324+005
8	8, 1	6.4195085+001	6.3800316+001	4.0761067+003	2.6061592+005
8	8, 0	6.4195087+001	6.3800304+001	4.0761057+003	2.6061586+005
9	0, 9	−1.2694733+001	2.5434852+000	1.9551313+001	2.4892833+002
9	1, 9	−1.2694338+001	2.5462858+000	1.9492689+001	2.5074724+002
9	1, 8	−7.8356551−001	6.9523781+000	8.3312301+001	1.3741604+003
9	2, 8	−7.6441855−001	7.0695381+000	8.2800516+001	1.4012368+003
9	2, 7	9.1145870+000	9.1078175+000	1.6064762+002	3.3729433+003
9	3, 7	9.4504786+000	1.0754678+001	1.7623069+002	3.7849318+003
9	3, 6	1.6122856+001	8.0621461+000	1.6468267+002	4.1966833+003
9	4, 6	1.8380883+001	1.5326859+001	3.1244233+002	7.8592452+003
9	4, 5	2.1158116+001	1.0929975+001	2.2309681+002	5.9561643+003
9	5, 5	2.7331387+001	2.3099305+001	6.1371592+002	1.8191265+004
9	5, 4	2.7837672+001	2.1394553+001	5.6197258+002	1.6684042+004
9	6, 4	3.7720016+001	3.4283203+001	1.2402267+003	4.6729054+004
9	6, 3	3.7758482+001	3.4098524+001	1.2321898+003	4.6412608+004
9	7, 3	5.0149383+001	4.7822484+001	2.3274188+003	1.1464206+005
9	7, 2	5.0150857+001	4.7813677+001	2.3268908+003	1.1461413+005
9	8, 2	6.4663519+001	6.3320400+001	4.0285304+003	2.5697046+005
9	8, 1	6.4663548+001	6.3320199+001	4.0285145+003	2.5696936+005
9	9, 1	8.1217634+001	8.0777248+001	6.5321419+003	5.2857600+005
9	9, 0	8.1217635+001	8.0777246+001	6.5321417+003	5.2857598+005
10	0,10	−1.6219114+001	2.8420274+000	2.4337853+001	3.4668751+002
10	1,10	−1.6218995+001	2.8429617+000	2.4312718+001	3.4766755+002
10	1, 9	−2.8582001+000	7.9002325+000	1.0586177+002	1.9747072+003
10	2, 9	−2.8515556+000	7.9460309+000	1.0548114+002	1.9931510+003
10	2, 8	8.6167599+000	1.1144914+001	2.2053906+002	5.2548202+003

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

10	3, 8	8.7587568+000	1.1964520+001	2.2679654+002	5.5259595+003
10	3, 7	1.7471082+001	1.0580629+001	2.6119504+002	7.6053632+003
10	4, 7	1.8785187+001	1.6055316+001	3.7315094+002	1.0887219+004
10	4, 6	2.3394463+001	1.0666013+001	2.6233879+002	8.4484532+003
10	5, 6	2.8209867+001	2.2836009+001	6.4881453+002	2.1603187+004
10	5, 5	2.9462112+001	1.9209460+001	5.3567165+002	1.8046995+004
10	6, 5	3.8572566+001	3.3530204+001	1.2409099+003	4.9559207+004
10	6, 4	3.8713840+001	3.2880339+001	1.2124641+003	4.8399193+004
10	7, 4	5.0853798+001	4.7103972+001	2.3046150+003	1.1609518+005
10	7, 3	5.0861763+001	4.7057175+001	2.3018137+003	1.1594523+005
10	8, 3	6.5253573+001	6.2714316+001	3.9846528+003	2.5553430+005
10	8, 2	6.5253822+001	6.2712573+001	3.9845150+003	2.5552473+005
10	9, 2	8.1729906+001	8.0252537+001	6.4644612+003	5.2187300+005
10	9, 1	8.1729910+001	8.0252504+001	6.4644579+003	5.2187271+005
10	10, 1	1.0024023+002	9.9754134+001	9.9598052+003	9.9498612+005
10	10, 0	1.0024023+002	9.9754133+001	9.9598052+003	9.9498612+005
11	0,11	−2.0168000+001	3.1395657+000	2.9658557+001	4.6673098+002
11	1,11	−2.0167965+001	3.1398697+000	2.9648346+001	4.6721917+002
11	1,10	−5.3636297+000	8.8202799+000	1.3100056+002	2.7224301+003
11	2,10	−5.3613995+000	8.8373632+000	1.3077882+002	2.7338050+003
11	2, 9	7.6236637+000	1.2964818+001	2.8465078+002	7.6150501+003
11	3, 9	7.6796902+000	1.3334491+001	2.8651764+002	7.7827315+003
11	3, 8	1.8298004+001	1.3767454+001	3.8832148+002	1.2708095+004
11	4, 8	1.8968616+001	1.7236201+001	4.5786811+002	1.5183419+004
11	4, 7	2.5725703+001	1.1797167+001	3.5578426+002	1.3355815+004
11	5, 7	2.9127582+001	2.2966296+001	7.1475051+002	2.6990156+004
11	5, 6	3.1671300+001	1.7045741+001	5.2316620+002	2.0444293+004
11	6, 6	3.9607842+001	3.2785038+001	1.2613660+003	5.4596212+004
11	6, 5	4.0032181+001	3.0967532+001	1.1807464+003	5.1133762+004
11	7, 5	5.1737939+001	4.6222628+001	2.2912530+003	1.1998467+005
11	7, 4	5.1771533+001	4.6030129+001	2.2797136+003	1.1935281+005
11	8, 4	6.5988232+001	6.1957135+001	3.9469809+003	2.5700917+005
11	8, 3	6.5989743+001	6.1946660+001	3.9461545+003	2.5695131+005
11	9, 3	8.2359896+001	7.9605731+001	6.4010133+003	5.1852089+005
11	9, 2	8.2359936+001	7.9605411+001	6.4009811+003	5.1851804+005
11	10, 2	1.0079671+002	9.9184263+001	9.8670062+003	9.8343740+005
11	10, 1	1.0079671+002	9.9184258+001	9.8670055+003	9.8343733+005
11	11, 1	1.2126286+002	1.2073098+002	1.4586817+004	1.7632603+006
11	11, 0	1.2126286+002	1.2073098+002	1.4586817+004	1.7632603+006
12	0,12	−2.4541278+001	3.4366194+000	3.5508511+001	6.1144568+002
12	1,12	−2.4541268+001	3.4367163+000	3.5504539+001	6.1167400+002
12	1,11	−8.2964325+000	9.7272314+000	1.5877559+002	3.6333610+003
12	2,11	−8.2957036+000	9.7333716+000	1.5866278+002	3.6398006+003
12	2,10	6.1690864+000	1.4635795+001	3.5393320+002	1.0507887+004
12	3,10	6.1901007+000	1.4791280+001	3.5420047+002	1.0607211+004
12	3, 9	1.8540697+001	1.6923004+001	5.2999860+002	1.9326629+004
12	4, 9	1.8848362+001	1.8808025+001	5.6566301+002	2.0931690+004
12	4, 8	2.7854633+001	1.4557660+001	5.2205023+002	2.2143138+004
12	5, 8	2.9989709+001	2.3635294+001	8.1916188+002	3.4925087+004
12	5, 7	3.4368070+001	1.5860240+001	5.5919623+002	2.5407458+004
12	6, 7	4.0800919+001	3.2230972+001	1.3134583+003	6.2629584+004
12	6, 6	4.1863962+001	2.8191189+001	1.1301500+003	5.4213069+004
12	7, 6	5.2824653+001	4.5206793+001	2.2933049+003	1.2698013+005
12	7, 5	5.2941500+001	4.4561750+001	2.2544169+003	1.2477580+005
12	8, 5	6.6893055+001	6.1024143+001	3.9183086+003	2.6211433+005
12	8, 4	6.6900222+001	6.0975302+001	3.9144577+003	2.6184062+005
12	9, 4	8.3127542+001	7.8814247+001	6.3445045+003	5.1949819+005
12	9, 3	8.3127811+001	7.8812105+001	6.3442890+003	5.1947906+005
12	10, 3	1.0146786+002	9.8495678+001	9.7790092+003	9.7677376+005
12	10, 2	1.0146787+002	9.8495623+001	9.7790023+003	9.7677300+005
12	11, 2	1.2186381+002	1.2011567+002	1.4463324+004	1.7443837+006

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.300000 —*CONTINUED*

12	11, 1	1.2186381+002	1.2011567+002	1.4463324+004	1.7443837+006
12	12, 1	1.4428551+002	1.4370781+002	2.0664898+004	2.9728548+006
12	12, 0	1.4428551+002	1.4370781+002	2.0664898+004	2.9728548+006
13	0,13	−2.9338897+001	3.7334021+000	4.1885271+001	7.8321061+002
13	1,13	−2.9338894+001	3.7334325+000	4.1883781+001	7.8331200+002
13	1,12	−1.1655157+001	1.0627833+001	1.8919057+002	4.7239443+003
13	2,12	−1.1654923+001	1.0629975+001	1.8913813+002	4.7273348+003
13	2,11	4.2717546+000	1.6224894+001	4.2926496+002	1.3995998+004
13	3,11	4.2793344+000	1.6286937+001	4.2911923+002	1.4052486+004
13	3,10	1.8234257+001	1.9745300+001	6.7828215+002	2.7331259+004
13	4,10	1.8364831+001	2.0661016+001	6.9385749+002	2.8271624+004
13	4, 9	2.9511090+001	1.8601505+001	7.5840037+002	3.5723389+004
13	5, 9	3.0692231+001	2.4903387+001	9.6641504+002	4.5975854+004
13	5, 8	3.7313237+001	1.6358008+001	6.8059881+002	3.5365600+004
13	6, 8	4.2092934+001	3.2092370+001	1.4111997+003	7.4685919+004
13	6, 7	4.4330764+001	2.5010922+001	1.0794658+003	5.8262921+004
13	7, 7	5.4123849+001	4.4154982+001	2.3209739+003	1.3800334+005
13	7, 6	5.4468831+001	4.2358725+001	2.2114387+003	1.3149459+005
13	8, 6	6.7994880+001	5.9901237+001	3.9024160+003	2.7161998+005
13	8, 5	6.8022963+001	5.9714283+001	3.8876460+003	2.7054496+005
13	9, 5	8.4055269+001	7.7852292+001	6.2976220+003	5.2578336+005
13	9, 4	8.4056680+001	7.7841173+001	6.2965051+003	5.2568315+005
13	10, 4	1.0227116+002	9.7668561+001	9.6988134+003	9.7632532+005
13	10, 3	1.0227120+002	9.7668153+001	9.6987624+003	9.7631971+005
13	11, 3	1.2257700+002	1.1938435+002	1.4345217+004	1.7323970+006
13	11, 2	1.2257700+002	1.1938434+002	1.4345216+004	1.7323968+006
13	12, 2	1.4493112+002	1.4304684+002	2.0504575+004	2.9433138+006
13	12, 1	1.4493112+002	1.4304684+002	2.0504575+004	2.9433138+006
13	13, 1	1.6930818+002	1.6868462+002	2.8469769+004	4.8068196+006
13	13, 0	1.6930818+002	1.6868462+002	2.8469769+004	4.8068196+006
14	0,14	−3.4560827+001	4.0300102+000	4.8787740+001	9.8438735+002
14	1,14	−3.4560826+001	4.0300196+000	4.8787197+001	9.8443046+002
14	1,13	−1.5439151+001	1.1525081+001	2.2223924+002	6.0107707+003
14	2,13	−1.5439078+001	1.1525809+001	2.2221643+002	6.0124496+003
14	2,12	1.9406657+000	1.7772170+001	5.1110894+002	1.8142244+004
14	3,12	1.9433154+000	1.7795919+001	5.1093919+002	1.8173027+004
14	3,11	1.7429441+001	2.2271576+001	8.3359314+002	3.6798007+004
14	4,11	1.7481778+001	2.2682599+001	8.3948152+002	3.7315680+004
14	4,10	3.0554826+001	2.2997538+001	1.0346970+003	5.3634070+004
14	5,10	3.1138770+001	2.6729362+001	1.1564289+003	6.0616524+004
14	5, 9	4.0195957+001	1.8944968+001	9.2226255+002	5.3607701+004
14	6, 9	4.3395093+001	3.2571128+001	1.5679004+003	9.1977967+004
14	6, 8	4.7408833+001	2.2587846+001	1.0834078+003	6.6197685+004
14	7, 8	5.5621488+001	4.3253950+001	2.3899206+003	1.5438732+005
14	7, 7	5.6495818+001	3.9115187+001	2.1327631+003	1.3818165+005
14	8, 7	6.9318211+001	5.8607255+001	3.9056906+003	2.8646025+005
14	8, 6	6.9412246+001	5.8001561+001	3.8575787+003	2.8284020+005
14	9, 6	8.5167958+001	7.6693354+001	6.2631903+003	5.3834711+005
14	9, 5	8.5174087+001	7.6645864+001	6.2584195+003	5.3791177+005
14	10, 5	1.0322613+002	9.6679735+001	9.6293262+003	9.8341944+005
14	10, 4	1.0322639+002	9.6677403+001	9.6290353+003	9.8338724+005
14	11, 4	1.2341797+002	1.1851956+002	1.4235812+004	1.7290604+006
14	11, 3	1.2341798+002	1.1851949+002	1.4235800+004	1.7290589+006
14	12, 3	1.4568700+002	1.4227206+002	2.0350235+004	2.9232242+006
14	12, 2	1.4568700+002	1.4227206+002	2.0350235+004	2.9232241+006
14	13, 2	1.6999860+002	1.6797784+002	2.8265922+004	4.7622461+006
14	13, 1	1.6999860+002	1.6797784+002	2.8265922+004	4.7622461+006
14	14, 1	1.9633086+002	1.9566141+002	3.8301150+004	7.5000700+006
14	14, 0	1.9633086+002	1.9566141+002	3.8301150+004	7.5000700+006
15	0,15	−4.0207054+001	4.3264932+000	5.6215461+001	1.2173233+003
15	1,15	−4.0207054+001	4.3264960+000	5.6215268+001	1.2173409+003
15	1,14	−1.9648092+001	1.2420334+001	2.5791607+002	7.5104110+003

KAPPA = −0.300000 —*CONTINUED*				
15 2,14	−1.9648069+001	1.2420577+001	2.5790665+002	7.5112000+003
15 2,13	−8.2001183−001	1.9297983+001	5.9965684+002	2.3008307+004
15 3,13	−8.1910920−001	1.9306770+001	5.9954549+002	2.3024364+004
15 3,12	1.6160499+001	2.4613851+001	9.9839185+002	4.7897792+004
15 4,12	1.6180577+001	2.4787862+001	1.0002865+003	4.8171465+004
15 4,11	3.0988511+001	2.7044530+001	1.3240207+003	7.4991542+004
15 5,11	3.1253252+001	2.8992490+001	1.3852528+003	7.9176468+004
15 5,10	4.2698242+001	2.3514976+001	1.2968276+003	8.2972824+004
15 6,10	4.4601416+001	3.3785240+001	1.7928168+003	1.1575795+005
15 6, 9	5.0896996+001	2.2017622+001	1.2074211+003	8.2975278+004
15 7, 9	5.7271134+001	4.2757251+001	2.5203267+003	1.7797427+005
15 7, 8	5.9173837+001	3.5007052+001	2.0256685+003	1.4464637+005
15 8, 8	7.0878157+001	5.7227166+001	3.9396792+003	3.0796116+005
15 8, 7	7.1152398+001	5.5545185+001	3.8047428+003	2.9736269+005
15 9, 7	8.6492131+001	7.5318739+001	6.2448955+003	5.5819648+005
15 9, 6	8.6514912+001	7.5145991+001	6.2275013+003	5.5657085+005
15 10, 6	1.0435460+002	9.5502562+001	9.5732772+003	9.9934753+005
15 10, 5	1.0435584+002	9.5491607+001	9.5719118+003	9.9919453+005
15 11, 5	1.2440390+002	1.1750101+002	1.4138338+004	1.7361371+006
15 11, 4	1.2440395+002	1.1750055+002	1.4138268+004	1.7361278+006
15 12, 4	1.4656712+002	1.4136789+002	2.0205507+004	2.9148602+006
15 12, 3	1.4656713+002	1.4136788+002	2.0205505+004	2.9148598+006
15 13, 3	1.7079765+002	1.6715906+002	2.8068665+004	4.7303355+006
15 13, 2	1.7079765+002	1.6715906+002	2.8068665+004	4.7303355+006
15 14, 2	1.9706619+002	1.9490870+002	3.8046527+004	7.4348705+006
15 14, 1	1.9706619+002	1.9490870+002	3.8046527+004	7.4348705+006
15 15, 1	2.2535355+002	2.2463819+002	5.0482761+004	1.1348378+007
15 15, 0	2.2535355+002	2.2463819+002	5.0482761+004	1.1348378+007
KAPPA = − 0.400000				
2 0, 2	−9.1339863−002	8.7350568−002	3.4940227−001	1.3976091+000
2 1, 2	4.7058824−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.5294118+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.0913399+000	3.9126494+000	1.5650598+001	6.2602391+001
3 0, 3	−4.2250121−001	3.4881403−001	1.3952561+000	5.5810245+000
3 1, 3	−1.1009937−001	1.0447757+000	1.4477567+000	5.0745863+000
3 1, 2	1.9921656+000	1.0753784+000	1.7537838+000	7.8594325+000
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.4225012+000	3.6511860+000	1.4604744+001	5.8418975+001
3 3, 1	9.0512758+000	8.9552243+000	8.0552243+001	7.2492541+002
3 3, 0	9.0666580+000	8.9246216+000	8.0246216+001	7.2214057+002
4 0, 4	−1.1083802+000	7.2723027−001	3.0116880+000	1.3691023+001
4 1, 4	−9.6165486−001	1.1550992+000	2.5509925+000	1.5114031+001
4 1, 3	2.4645085+000	1.3513295+000	4.5132953+000	3.2970987+001
4 2, 3	3.9277704+000	4.0713704+000	1.7427408+001	8.7980462+001
4 2, 2	5.0340157+000	3.3505716+000	1.4535600+001	7.6275426+001
4 3, 2	9.1969490+000	8.8449008+000	7.9449008+001	7.1488597+002
4 3, 1	9.3001974+000	8.6486705+000	7.7486705+001	6.9702901+002
4 4, 1	1.6072230+001	1.5928630+001	2.5457259+002	4.0720195+003
4 4, 0	1.6074365+001	1.5922198+001	2.5445271+002	4.0700336+003
5 0, 5	−2.1812792+000	1.1073754+000	4.9491752+000	2.8111479+001
5 1, 5	−2.1197545+000	1.3295172+000	4.3251385+000	3.2034882+001
5 1, 4	2.7952025+000	1.9824179+000	1.0957075+001	9.5051405+001
5 2, 4	3.7259804+000	4.2620517+000	2.1241034+001	1.5204937+002
5 2, 3	5.8885602+000	3.2099404+000	1.7318894+001	1.4094169+002
5 3, 3	9.3845167+000	8.7597342+000	8.0701655+001	7.8078678+002
5 3, 2	9.7634099+000	8.1079116+000	7.4101997+001	7.1862080+002
5 4, 2	1.6274020+001	1.5737948+001	2.5075897+002	4.0079506+003
5 4, 1	1.6292719+001	1.5682684+001	2.4973193+002	3.9909468+003
5 5, 1	2.5088179+001	2.4910749+001	6.2197321+002	1.5542178+004
5 5, 0	2.5088446+001	2.4909671+001	6.2194093+002	1.5541328+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

6	0, 6	−3.6319484+000	1.4482056+000	7.2051119+000	5.1637119+001
6	1, 6	−3.6079405+000	1.5513171+000	6.6762484+000	5.6877568+001
6	1, 5	2.8208634+000	2.9806913+000	2.1769847+001	2.1494561+002
6	2, 5	3.3328959+000	4.6062400+000	2.8186756+001	2.7116620+002
6	2, 4	6.8758032+000	3.4116671+000	2.5711849+001	2.9934831+002
6	3, 4	9.5793490+000	8.7732282+000	8.6303879+001	9.7336967+002
6	3, 3	1.0559430+001	7.3553382+000	7.1552875+001	8.2431803+002
6	4, 3	1.6563516+001	1.5498984+001	2.4926862+002	4.1118391+003
6	4, 2	1.6652526+001	1.5245510+001	2.4454538+002	4.0322876+003
6	5, 2	2.5322709+001	2.4675455+001	6.1401987+002	1.5324753+004
6	5, 1	2.5325589+001	2.4663970+001	6.1367728+002	1.5315736+004
6	6, 1	3.6103588+001	3.5894776+001	1.2905446+003	4.6432995+004
6	6, 0	3.6103620+001	3.5894617+001	1.2905377+003	4.6432727+004
7	0, 7	−5.4480311+000	1.7571071+000	9.8680681+000	8.6316062+001
7	1, 7	−5.4391004+000	1.8015096+000	9.5114491+000	9.1366430+001
7	1, 6	2.4429075+000	4.1313329+000	3.5748131+001	4.0670474+002
7	2, 6	2.6914911+000	5.1089969+000	3.8561741+001	4.5800389+002
7	2, 5	7.8391005+000	4.1503879+000	4.3800234+001	6.3880410+002
7	3, 5	9.7267014+000	8.9636610+000	9.8374217+001	1.3503846+003
7	3, 4	1.1710346+001	6.6992249+000	7.4086863+001	1.0868374+003
7	4, 4	1.6941176+001	1.5264000+001	2.5272000+002	4.4893440+003
7	4, 3	1.7241197+001	1.4467513+001	2.3770141+002	4.2256040+003
7	5, 3	2.5652194+001	2.4355783+001	6.0803967+002	1.5425332+004
7	5, 2	2.5668890+001	2.4290417+001	6.0609164+002	1.5373609+004
7	6, 2	3.6367332+001	3.5627003+001	1.2767183+003	4.5868652+004
7	6, 1	3.6367734+001	3.5624992+001	1.2766303+003	4.5865276+004
7	7, 1	4.9119029+001	4.8879047+001	2.3920747+003	1.1713692+005
7	7, 0	4.9119033+001	4.8879025+001	2.3920734+003	1.1713685+005
8	0, 8	−7.6225258+000	2.0480776+000	1.2991581+001	1.3367787+002
8	1, 8	−7.6193146+000	2.0662039+000	1.2782901+001	1.3766009+002
8	1, 7	1.6468993+000	5.2309563+000	5.1583745+001	6.7986415+002
8	2, 7	1.7570546+000	5.7452998+000	5.2215497+001	7.2391125+002
8	2, 6	8.5914915+000	5.5533092+000	7.5394789+001	1.2813936+003
8	3, 6	9.7596424+000	9.3926427+000	1.1875130+002	1.9736614+003
8	3, 5	1.3130665+001	6.4886436+000	8.7757643+001	1.6440480+003
8	4, 5	1.7385802+001	1.5123558+001	2.6460357+002	5.2705499+003
8	4, 4	1.8171157+001	1.3281017+001	2.2902411+002	4.6022032+003
8	5, 4	2.6094579+001	2.3960179+001	6.0630266+002	1.6010790+004
8	5, 3	2.6163172+001	2.3699740+001	5.9851446+002	1.5799201+004
8	6, 3	3.6722609+001	3.5267849+001	1.2648163+003	4.5869546+004
8	6, 2	3.6725342+001	3.5254305+001	1.2642251+003	4.5846748+004
8	7, 2	4.9412152+001	4.8580975+001	2.3701631+003	1.1588189+005
8	7, 1	4.9412204+001	4.8580660+001	2.3701442+003	1.1588089+005
8	8, 1	6.4134534+001	6.3863293+001	4.0823646+003	2.6109599+005
8	8, 0	6.4134535+001	6.3863291+001	4.0823644+003	2.6109598+005
9	0, 9	−1.0152261+001	2.3303089+000	1.6589585+001	1.9521593+002
9	1, 9	−1.0151136+001	2.3374175+000	1.6478906+001	1.9794780+002
9	1, 8	4.5406044−001	6.2283944+000	6.9028051+001	1.0451131+003
9	2, 8	4.9986261−001	6.4748377+000	6.8778476+001	1.0806066+003
9	2, 7	8.9695783+000	7.4572280+000	1.1990341+002	2.3191085+003
9	3, 7	9.6091012+000	1.0086437+001	1.4854418+002	2.9041974+003
9	3, 6	1.4664496+001	6.9959519+000	1.2024553+002	2.7465784+003
9	4, 6	1.7852714+001	1.5186847+001	2.8888819+002	6.6112352+003
9	4, 5	1.9522117+001	1.1938181+001	2.2397079+002	5.2869554+003
9	5, 5	2.6658317+001	2.3535010+001	6.1236727+002	1.7290172+004
9	5, 4	2.6879672+001	2.2736960+001	5.8826371+002	1.6608396+004
9	6, 4	3.7189896+001	3.4803449+001	1.2566161+003	4.6677148+004
9	6, 3	3.7203032+001	3.4739461+001	1.2538225+003	4.6567961+004
9	7, 3	4.9792455+001	4.8193637+001	2.3503882+003	1.1557646+005
9	7, 2	4.9792862+001	4.8191196+001	2.3502413+003	1.1556869+005
9	8, 2	6.4457527+001	6.3534866+001	4.0497173+003	2.5859101+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

9	8, 1	6.4457534+001	6.3534821+001	4.0497137+003	2.5859076+005
9	9, 1	8.1150086+001	8.0847498+001	6.5412215+003	5.2947623+005
9	9, 0	8.1150086+001	8.0847497+001	6.5412214+003	5.2947622+005
10	0,10	−1.3035922+001	2.6085283+000	2.0658340+001	2.7258059+002
10	1,10	−1.3035535+001	2.6112300+000	2.0603762+001	2.7427064+002
10	1, 9	−1.1152014+000	7.1489518+000	8.8330022+001	1.5143223+003
10	2, 9	−1.0970114+000	7.2594768+000	8.7905561+001	1.5408522+003
10	2, 8	8.8979954+000	9.4720869+000	1.7238469+002	3.7652305+003
10	3, 8	9.2136806+000	1.1027485+001	1.8787520+002	4.1972835+003
10	3, 7	1.6115230+001	8.4431409+000	1.8064542+002	4.7898587+003
10	4, 7	1.8278352+001	1.5552952+001	3.2937012+002	8.6899614+003
10	4, 6	2.1269532+001	1.0968017+001	2.3459530+002	6.6089761+003
10	5, 6	2.7334446+001	2.3174227+001	6.3135448+002	1.9531225+004
10	5, 5	2.7922089+001	2.1234103+001	5.7165489+002	1.7741112+004
10	6, 5	3.7788789+001	3.4235393+001	1.2547455+003	4.8572012+004
10	6, 4	3.7838467+001	3.3999588+001	1.2444145+003	4.8158239+004
10	7, 4	5.0278206+001	4.7698666+001	2.3343793+003	1.1657103+005
10	7, 3	5.0280444+001	4.7685418+001	2.3335830+003	1.1652857+005
10	8, 3	6.4864201+001	6.3120509+001	4.0195253+003	2.5759536+005
10	8, 2	6.4864258+001	6.3120111+001	4.0194937+003	2.5759316+005
10	9, 2	8.1503320+001	8.0488392+001	6.4947873+003	5.2487119+005
10	9, 1	8.1503321+001	8.0488386+001	6.4947866+003	5.2487114+005
10	10, 1	1.0016567+002	9.9831669+001	9.9724535+003	9.9656182+005
10	10, 0	1.0016567+002	9.9831669+001	9.9724535+003	9.9656182+005
11	0,11	−1.6272976+001	2.8849231+000	2.5190446+001	3.6756566+002
11	1,11	−1.6272845+001	2.8859243+000	2.5165009+001	3.6853059+002
11	1,10	−3.0489333+000	8.0249874+000	1.0972403+002	2.0996883+003
11	2,10	−3.0419561+000	8.0721713+000	1.0938196+002	2.1180159+003
11	2, 9	8.3820979+000	1.1341673+001	2.2911894+002	5.6099842+003
11	3, 9	8.5263392+000	1.2163762+001	2.3604609+002	5.9009079+003
11	3, 8	1.7276597+001	1.0838557+001	2.7381337+002	8.1880543+003
11	4, 8	1.8589256+001	1.6284241+001	3.8889567+002	1.1696452+004
11	4, 7	2.3281727+001	1.0844096+001	2.7560806+002	9.1574298+003
11	5, 7	2.8091197+001	2.3008594+001	6.6966828+002	2.3073414+004
11	5, 6	2.9401492+001	1.9250984+001	5.5072778+002	1.9238691+004
11	6, 6	3.8533097+001	3.3598783+001	1.2634128+003	5.1903709+004
11	6, 5	3.8689197+001	3.2886941+001	1.2319662+003	5.0596704+004
11	7, 5	5.0889411+001	4.7079700+001	2.3240917+003	1.1924119+005
11	7, 4	5.0899056+001	4.7023512+001	2.3207120+003	1.1905815+005
11	8, 4	6.5370203+001	6.2603185+001	3.9935148+003	2.5861276+005
11	8, 3	6.5370554+001	6.2600748+001	3.9933217+003	2.5859926+005
11	9, 3	8.1937564+001	8.0046203+001	6.4511596+003	5.2255257+005
11	9, 2	8.1937571+001	8.0046142+001	6.4511535+003	5.2255203+005
11	10, 2	1.0054940+002	9.9441619+001	9.9087948+003	9.8862906+005
11	10, 1	1.0054940+002	9.9441618+001	9.9087947+003	9.8862905+005
11	11, 1	1.2118128+002	1.2081582+002	1.4603869+004	1.7658694+006
11	11, 0	1.2118128+002	1.2081582+002	1.4603869+004	1.7658694+006
12	0,12	−1.9863206+001	3.1604563+000	3.0179971+001	4.8203953+002
12	1,12	−1.9863162+001	3.1608197+000	3.0168638+001	4.8255615+002
12	1,11	−5.3412316+000	8.8777793+000	1.3332862+002	2.8136987+003
12	2,11	−5.3386276+000	8.8971619+000	1.3311081+002	2.8254502+003
12	2,10	7.4537075+000	1.3030274+001	2.8950458+002	7.8726471+003
12	3,10	7.5160052+000	1.3431215+001	2.9202620+002	8.0579458+003
12	3, 9	1.7997663+001	1.3776964+001	3.9306085+002	1.3082600+004
12	4, 9	1.8712691+001	1.7389099+001	4.6868323+002	1.5811273+004
12	4, 8	2.5362802+001	1.1899412+001	3.6336631+002	1.3857925+004
12	5, 8	2.8874127+001	2.3175873+001	7.3410736+002	2.8328393+004
12	5, 7	3.1365314+001	1.7310586+001	5.4184535+002	2.1636037+004
12	6, 7	3.9423867+001	3.2979122+001	1.2891375+003	5.7135973+004
12	6, 6	3.9842935+001	3.1186883+001	1.2088030+003	5.3625243+004
12	7, 6	5.1646315+001	4.6331375+001	2.3222805+003	1.2400725+005
12	7, 5	5.1680900+001	4.6134365+001	2.3103894+003	1.2334749+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.400000 —*CONTINUED*

12 8, 5	6.5993105+001	6.1963934+001	3.9734871+003	2.6216435+005
12 8, 4	6.5994796+001	6.1952302+001	3.9725659+003	2.6209931+005
12 9, 4	8.2466326+001	7.9506086+001	6.4122521+003	5.2322456+005
12 9, 3	8.2466378+001	7.9505675+001	6.4122106+003	5.2322088+005
12 10, 3	1.0101207+002	9.8970734+001	9.8483036+003	9.8402473+005
12 10, 2	1.0101207+002	9.8970725+001	9.8483026+003	9.8402461+005
12 11, 2	1.2159568+002	1.2039463+002	1.4519165+004	1.7529053+006
12 11, 1	1.2159568+002	1.2039463+002	1.4519165+004	1.7529053+006
12 12, 1	1.4419690+002	1.4379995+002	2.0687278+004	2.9769822+006
12 12, 0	1.4419690+002	1.4379995+002	2.0687278+004	2.9769822+006
13 0,13	−2.3806517+001	3.4355466+000	3.5623236+001	6.1789215+002
13 1,13	−2.3806503+001	3.4356762+000	3.5618370+001	6.1815454+002
13 1,12	−7.9893602+000	9.7188087+000	1.5918531+002	3.6691817+003
13 2,12	−7.9884097+000	9.7265272+000	1.5906335+002	3.6762291+003
13 2,11	6.1391113+000	1.4589834+001	3.5424889+002	1.0595823+004
13 3,11	6.1649001+000	1.4774226+001	3.5490464+002	1.0709504+004
13 3,10	1.8229804+001	1.6715055+001	5.2566092+002	1.9322807+004
13 4,10	1.8586097+001	1.8821634+001	5.6813437+002	2.1186422+004
13 4, 9	2.7285871+001	1.4319704+001	5.1286784+002	2.1901978+004
13 5, 9	2.9612066+001	2.3785243+001	8.3060068+002	3.5758579+004
13 5, 8	3.3740674+001	1.6152010+001	5.7227068+002	2.6166712+004
13 6, 8	4.0442445+001	3.2514053+001	1.3409224+003	6.4892039+004
13 6, 7	4.1414879+001	2.8763158+001	1.1690324+003	5.6901424+004
13 7, 7	5.2566092+001	4.5475520+001	2.3334076+003	1.3138474+005
13 7, 6	5.2672810+001	4.4886968+001	2.2976340+003	1.2933190+005
13 8, 6	6.6752234+001	6.1184233+001	3.9614521+003	2.6878882+005
13 8, 5	6.6759015+001	6.1138269+001	3.9578080+003	2.6852729+005
13 9, 5	8.3104713+001	7.8850872+001	6.3799868+003	5.2760992+005
13 9, 4	8.3104988+001	7.8848698+001	6.3797674+003	5.2759031+005
13 10, 4	1.0156552+002	9.8406066+001	9.7931034+003	9.8370318+005
13 10, 3	1.0156553+002	9.8406002+001	9.7930953+003	9.8370229+005
13 11, 3	1.2208738+002	1.1989439+002	1.4437995+004	1.7446295+006
13 11, 2	1.2208738+002	1.1989439+002	1.4437995+004	1.7446295+006
13 12, 2	1.4464211+002	1.4334749+002	2.0577324+004	2.9566973+006
13 12, 1	1.4464211+002	1.4334749+002	2.0577324+004	2.9566973+006
13 13, 1	1.6921253+002	1.6878407+002	2.8498487+004	4.8131046+006
13 13, 0	1.6921253+002	1.6878407+002	2.8498487+004	4.8131046+006
14 0,14	−2.8102863+001	3.7103808+000	4.1518251+001	7.7700946+002
14 1,14	−2.8102859+001	3.7104264+000	4.1516225+001	7.7713697+002
14 1,13	−1.0992058+001	1.0553767+001	1.8730188+002	4.6792054+003
14 2,13	−1.0991718+001	1.0556763+001	1.8723915+002	4.6831912+003
14 2,12	4.4538471+000	1.6073396+001	4.2406264+002	1.3829523+004
14 3,12	4.4641725+000	1.6154460+001	4.2408168+002	1.3897066+004
14 3,11	1.7996670+001	1.9386464+001	6.6443578+002	2.6779460+004
14 4,11	1.8162682+001	2.0501098+001	6.8535293+002	2.7939440+004
14 4,10	2.8838532+001	1.7897173+001	7.2470704+002	3.4132322+004
14 5,10	3.0226849+001	2.4888699+001	9.6290284+002	4.5829299+004
14 5, 9	3.6352354+001	1.6340078+001	6.7102018+002	3.4723906+004
14 6, 9	4.1546856+001	3.2371233+001	1.4294216+003	7.5975039+004
14 6, 8	4.3504836+001	2.5904213+001	1.1241572+003	6.0773738+004
14 7, 8	5.3657312+001	4.4581353+001	2.3648454+003	1.4207255+005
14 7, 7	5.3946118+001	4.3064159+001	2.2715503+003	1.3648051+005
14 8, 7	6.7667849+001	6.0252598+001	3.9600788+003	2.7906582+005
14 8, 6	6.7691275+001	6.0096903+001	3.9476944+003	2.7815610+005
14 9, 6	8.3869558+001	7.8061167+001	6.3562626+003	5.3643679+005
14 9, 5	8.3870773+001	7.8051649+001	6.3553021+003	5.3634995+005
14 10, 5	1.0222289+002	9.7732713+001	9.7453254+003	9.8864411+005
14 10, 4	1.0222293+002	9.7732337+001	9.7452783+003	9.8863891+005
14 11, 4	1.2266691+002	1.1930367+002	1.4362693+004	1.7423002+006
14 11, 3	1.2266691+002	1.1930366+002	1.4362691+004	1.7423000+006
14 12, 3	1.4516327+002	1.4281742+002	2.0471276+004	2.9428366+006
14 12, 2	1.4516327+002	1.4281742+002	2.0471276+004	2.9428365+006
14 13, 2	1.6968865+002	1.6830023+002	2.8358699+004	4.7825020+006

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.400000 —*CONTINUED*				
14 13, 1	1.6968865+002	1.6830023+002	2.8358699+004	4.7825020+006
14 14, 1	1.9622817+002	1.9576818+002	3.8337307+004	7.5093358+006
14 14, 0	1.9622817+002	1.9576818+002	3.8337307+004	7.5093358+006
15 0,15	−3.2752220+001	3.9850478+000	4.7864032+001	9.6126618+002
15 1,15	−3.2752218+001	3.9850636+000	4.7863211+001	9.6132586+002
15 1,14	−1.4348721+001	1.1385387+001	2.1767570+002	5.8569317+003
15 2,14	−1.4348600+001	1.1386525+001	2.1764538+002	5.8590738+003
15 2,13	2.4060046+000	1.7515329+001	4.9936869+002	1.7624299+004
15 3,13	2.4100281+000	1.7549704+001	4.9924255+002	1.7663170+004
15 3,12	1.7338466+001	2.1790980+001	8.0885566+002	3.5483855+004
15 4,12	1.7412026+001	2.2340659+001	8.1806281+002	3.6163374+004
15 4,11	2.9891769+001	2.1955081+001	9.7787488+002	5.0357060+004
15 5,11	3.0644010+001	2.6468310+001	1.1317245+003	5.8946741+004
15 5,10	3.8969294+001	1.8228223+001	8.6650143+002	4.9870677+004
15 6,10	4.2673728+001	3.2709018+001	1.5651919+003	9.1340050+004
15 6, 9	4.6120060+001	2.3444004+001	1.1129462+003	6.7242141+004
15 7, 9	5.4913031+001	4.3778438+001	2.4277760+003	1.5706113+005
15 7, 8	5.5604120+001	4.0412757+001	2.2171974+003	1.4375439+005
15 8, 8	6.8759004+001	5.9177956+001	3.9736784+003	2.9368593+005
15 8, 7	6.8830341+001	5.8716498+001	3.9367504+003	2.9088881+005
15 9, 7	8.4779416+001	7.7116785+001	6.3430422+003	5.5043416+005
15 9, 6	8.4784043+001	7.7081015+001	6.3394275+003	5.5010192+005
15 10, 6	1.0299870+002	9.6933458+001	9.7070326+003	9.9983319+005
15 10, 5	1.0299890+002	9.6931658+001	9.7068071+003	9.9980808+005
15 11, 5	1.2334584+002	1.1860945+002	1.4295617+004	1.7472103+006
15 11, 4	1.2334585+002	1.1860939+002	1.4295608+004	1.7472091+006
15 12, 4	1.4576987+002	1.4219951+002	2.0371675+004	2.9370200+006
15 12, 3	1.4576987+002	1.4219951+002	2.0371675+004	2.9370199+006
15 13, 3	1.7023959+002	1.6773998+002	2.8223190+004	4.7604982+006
15 13, 2	1.7023959+002	1.6773998+002	2.8223190+004	4.7604982+006
15 14, 2	1.9673527+002	1.9525288+002	3.8162714+004	7.4645784+006
15 14, 1	1.9673527+002	1.9525288+002	3.8162714+004	7.4645784+006
15 15, 1	2.2524382+002	2.2475228+002	5.0527544+004	1.1361665+007
15 15, 0	2.2524382+002	2.2475228+002	5.0527544+004	1.1361665+007
KAPPA = − 0.500000				
2 0, 2	−6.0315015−002	5.8549313−002	2.3419725−001	9.3678901−001
2 1, 2	5.7142857−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.4285714+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.0603150+000	3.9414507+000	1.5765803+001	6.3063211+001
3 0, 3	−2.8571429−001	2.5000000−001	1.0000000+000	4.0000000+000
3 1, 3	1.0842876−001	1.0308567+000	1.3085672+000	3.8079617+000
3 1, 2	1.8145398+000	1.0471529+000	1.4715292+000	5.2909162+000
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.2857143+000	3.7500000+000	1.5000000+001	6.0000000+001
3 3, 1	9.0344284+000	8.9691433+000	8.0691433+001	7.2619204+002
3 3, 0	9.0426030+000	8.9528471+000	8.0528471+001	7.2470908+002
4 0, 4	−7.7486302−001	5.6633952−001	2.3201162+000	1.0156595+001
4 1, 4	−5.6301793−001	1.1109127+000	2.1091270+000	1.1093056+001
4 1, 3	2.2384214+000	1.2188233+000	3.1882329+000	2.0912920+001
4 2, 3	3.9525684+000	4.0470596+000	1.6941191+001	7.9812009+001
4 2, 2	4.7265165+000	3.4834723+000	1.4672402+001	7.0505812+001
4 3, 2	9.1344465+000	8.8890873+000	7.9890873+001	7.1890694+002
4 3, 1	9.1901500+000	8.7811767+000	7.8811767+001	7.0908708+002
4 4, 1	1.6047432+001	1.5952940+001	2.5505881+002	4.0801880+003
4 4, 0	1.6048346+001	1.5950188+001	2.5500748+002	4.0793376+003
5 0, 5	−1.5733402+000	9.2044599−001	3.9883570+000	2.0858596+001
5 1, 5	−1.4713690+000	1.2450790+000	3.4661475+000	2.3839689+001
5 1, 4	2.6034000+000	1.6292541+000	7.3475379+000	6.0187023+001
5 2, 4	3.8190550+000	4.1756479+000	1.9512959+001	1.2301771+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

5	2, 3	5.3843040+000	3.2792497+000	1.5972181+001	1.0957163+002
5	3, 3	9.2708501+000	8.8130701+000	8.0507465+001	7.6017610+002
5	3, 2	9.4817030+000	8.4292668+000	7.6637213+001	7.2412233+002
5	4, 2	1.6180945+001	1.5824352+001	2.5248704+002	4.0369823+003
5	4, 1	1.6189036+001	1.5800304+001	2.5203946+002	4.0295698+003
5	5, 1	2.5057662+001	2.4941851+001	6.2302639+002	1.5570984+004
5	5, 0	2.5057754+001	2.4941479+001	6.2301525+002	1.5570691+004
6	0, 6	−2.6835647+000	1.2525422+000	5.9107061+000	3.8148169+001
6	1, 6	−2.6379693+000	1.4253754+000	5.3425889+000	4.2818381+001
6	1, 5	2.7877618+000	2.3591904+000	1.5028241+001	1.3995813+002
6	2, 5	3.5557275+000	4.4163784+000	2.4355886+001	2.0548900+002
6	2, 4	6.2000704+000	3.2778274+000	2.0571322+001	2.0299106+002
6	3, 4	9.4267344+000	8.7869522+000	8.3851640+001	8.8398679+002
6	3, 3	1.0000000+001	7.8571429+000	7.4285714+001	7.9000000+002
6	4, 3	1.6376573+001	1.5652025+001	2.5119410+002	4.0996823+003
6	4, 2	1.6415786+001	1.5538078+001	2.4906990+002	4.0641066+003
6	5, 2	2.5211235+001	2.4787672+001	6.1780577+002	1.5428195+004
6	5, 1	2.5212238+001	2.4783667+001	6.1768604+002	1.5425042+004
6	6, 1	3.6067699+001	3.5931597+001	1.2924500+003	4.6510829+004
6	6, 0	3.6067708+001	3.5931553+001	1.2924481+003	4.6510754+004
7	0, 7	−4.0957753+000	1.5528569+000	8.1281927+000	6.3852285+001
7	1, 7	−4.0763722+000	1.6380250+000	7.6664355+000	6.9099343+001
7	1, 6	2.6854578+000	3.3389608+000	2.6140545+001	2.7530935+002
7	2, 6	3.1186856+000	4.7855601+000	3.1894102+001	3.3819060+002
7	2, 5	7.0778835+000	3.6139754+000	3.0941022+001	3.9844560+002
7	3, 5	9.5704807+000	8.8668482+000	9.1434167+001	1.1303587+003
7	3, 4	1.0802762+001	7.1891574+000	7.3654492+001	9.4254903+002
7	4, 4	1.6641241+001	1.5457028+001	2.5267105+002	4.3352687+003
7	4, 3	1.6777706+001	1.5076320+001	2.4552067+002	4.2121116+003
7	5, 3	2.5428105+001	2.4573733+001	6.1370553+002	1.5488808+004
7	5, 2	2.5433993+001	2.4550492+001	6.1301139+002	1.5470423+004
7	6, 2	3.6240073+001	3.5757412+001	1.2834348+003	4.6142541+004
7	6, 1	3.6240186+001	3.5756847+001	1.2834101+003	4.6141591+004
7	7, 1	4.9077787+001	4.8921394+001	2.3951939+003	1.1731573+005
7	7, 0	4.9077788+001	4.8921389+001	2.3951936+003	1.1731572+005
8	0, 8	−5.8020493+000	1.8304359+000	1.0699312+001	9.9341561+001
8	1, 8	−5.7940760+000	1.8701662+000	1.0381117+001	1.0413877+002
8	1, 7	2.2465151+000	4.3869216+000	3.9562425+001	4.7510448+002
8	2, 7	2.4691696+000	5.2789604+000	4.2241254+001	5.3085911+002
8	2, 6	7.8940115+000	4.4298171+000	5.0359544+001	7.7507526+002
8	3, 6	9.6590315+000	9.1066152+000	1.0476821+002	1.5443593+003
8	3, 5	1.1879473+001	6.6855256+000	7.8452256+001	1.2505461+003
8	4, 5	1.6970527+001	1.5287021+001	2.5902904+002	4.8270017+003
8	4, 4	1.7346959+001	1.4309582+001	2.4038013+002	4.4899451+003
8	5, 4	2.5722867+001	2.4295480+001	6.1192533+002	1.5857860+004
8	5, 3	2.5747537+001	2.4199886+001	6.0906427+002	1.5780934+004
8	6, 3	3.6472383+001	3.5522862+001	1.2755991+003	4.6140145+004
8	6, 2	3.6473158+001	3.5519008+001	1.2754304+003	4.6133647+004
8	7, 2	4.9269320+001	4.8727738+001	2.3809253+003	1.1649764+005
8	7, 1	4.9269332+001	4.8727667+001	2.3809210+003	1.1649742+005
8	8, 1	6.4087920+001	6.3911157+001	4.0871306+003	2.6146199+005
8	8, 0	6.4087920+001	6.3911157+001	4.0871306+003	2.6146199+005
9	0, 9	−7.7979872+000	2.0949348+000	1.3655333+001	1.4577534+002
9	1, 9	−7.7947949+000	2.1127266+000	1.3458808+001	1.4957655+002
9	1, 8	1.4704298+000	5.3776894+000	5.4466224+001	7.4585763+002
9	2, 8	1.5772554+000	5.8746959+000	5.5248079+001	7.9259866+002
9	2, 7	8.5106656+000	5.7856971+000	8.1296823+001	1.4298195+003
9	3, 7	9.6430970+000	9.5455180+000	1.2511337+002	2.1739590+003
9	3, 6	1.3152793+001	6.5902071+000	9.3446795+001	1.8365436+003
9	4, 6	1.7345143+001	1.5212058+001	2.7291448+002	5.6764396+003
9	4, 5	1.8205941+001	1.3224715+001	2.3402456+002	4.9251091+003
9	5, 5	2.6107309+001	2.3964678+001	6.1428178+002	1.6662818+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

9	5, 4	2.6189438+001	2.3655584+001	6.0497461+002	1.6405733+004
9	6, 4	3.6778626+001	3.5215456+001	1.2699608+003	4.6661463+004
9	6, 3	3.6782404+001	3.5196870+001	1.2691473+003	4.6629843+004
9	7, 3	4.9517733+001	4.8476188+001	2.3680107+003	1.1629618+005
9	7, 2	4.9517826+001	4.8475630+001	2.3679770+003	1.1629440+005
9	8, 2	6.4298976+001	6.3697791+001	4.0658767+003	2.5982950+005
9	8, 1	6.4298977+001	6.3697783+001	4.0658760+003	2.5982945+005
9	9, 1	8.1098084+001	8.0900889+001	6.5481354+003	5.3016246+005
9	9, 0	8.1098084+001	8.0900889+001	6.5481354+003	5.3016246+005
10	0,10	−1.0081464+001	2.3526099+000	1.7004637+001	2.0433001+002
10	1,10	−1.0080211+001	2.3603282+000	1.6892482+001	2.0703890+002
10	1, 9	3.7394183−001	6.2857508+000	7.0730477+001	1.0953687+003
10	2, 9	4.2270720−001	6.5431550+000	7.0648775+001	1.1326716+003
10	2, 8	8.8143195+000	7.5282598+000	1.2281704+002	2.4280196+003
10	3, 8	9.4731679+000	1.0198105+001	1.5321528+002	3.0666024+003
10	3, 7	1.4503777+001	7.0980356+000	1.2461072+002	2.9087639+003
10	4, 7	1.7730756+001	1.5311030+001	2.9724025+002	7.0043005+003
10	4, 6	1.9406012+001	1.2044041+001	2.3117218+002	5.6274317+003
10	5, 6	2.6586068+001	2.3619659+001	6.2349433+002	1.8063075+004
10	5, 5	2.6815074+001	2.2797382+001	5.9844643+002	1.7342451+004
10	6, 5	3.7173652+001	3.4826348+001	1.2678417+003	4.7883618+004
10	6, 4	3.7188238+001	3.4755696+001	1.2647427+003	4.7761215+004
10	7, 4	4.9834923+001	4.8154336+001	2.3574884+003	1.1694654+005
10	7, 3	4.9835440+001	4.8151261+001	2.3573029+003	1.1693668+005
10	8, 3	6.4564615+001	6.3428866+001	4.0461855+003	2.5917662+005
10	8, 2	6.4564625+001	6.3428793+001	4.0461796+003	2.5917621+005
10	9, 2	8.1328909+001	8.0667571+001	6.5179096+003	5.2716175+005
10	9, 1	8.1328909+001	8.0667570+001	6.5179095+003	5.2716174+005
10	10, 1	1.0010827+002	9.9890601+001	9.9820837+003	9.9776279+005
10	10, 0	1.0010827+002	9.9890601+001	9.9820837+003	9.9776279+005
11	0,11	−1.2651512+001	2.6068805+000	2.0745011+001	2.7628092+002
11	1,11	−1.2651029+001	2.6101446+000	2.0684745+001	2.7805910+002
11	1,10	−1.0280190+000	7.1305149+000	8.8533913+001	1.5325775+003
11	2,10	−1.0065688+000	7.2568800+000	8.8197146+001	1.5608120+003
11	2, 9	8.7525337+000	9.3660717+000	1.7114421+002	3.7768456+003
11	3, 9	9.1051603+000	1.1050409+001	1.8917162+002	4.2658318+003
11	3, 8	1.5787770+001	8.3711311+000	1.7884487+002	4.7777413+003
11	4, 8	1.8081121+001	1.5654563+001	3.3478678+002	8.9482561+003
11	4, 7	2.0926231+001	1.1162662+001	2.4099256+002	6.8577508+003
11	5, 7	2.7152028+001	2.3329724+001	6.4332615+002	2.0261012+004
11	5, 6	2.7701288+001	2.1501970+001	5.8660873+002	1.8537852+004
11	6, 6	3.7671499+001	3.4357793+001	1.2711612+003	5.0012907+004
11	6, 5	3.7718733+001	3.4134077+001	1.2612995+003	4.9613618+004
11	7, 5	5.0234211+001	4.7748907+001	2.3505028+003	1.1870023+005
11	7, 4	5.0236473+001	4.7735577+001	2.3496987+003	1.1865704+005
11	8, 4	6.4894920+001	6.3093606+001	4.0292050+003	2.5984369+005
11	8, 3	6.4894985+001	6.3093152+001	4.0291689+003	2.5984117+005
11	9, 3	8.1612590+001	8.0380519+001	6.4894633+003	5.2564316+005
11	9, 2	8.1612591+001	8.0380510+001	6.4894624+003	5.2564308+005
11	10, 2	1.0035903+002	9.9637157+001	9.9406499+003	9.9259433+005
11	10, 1	1.0035903+002	9.9637157+001	9.9406499+003	9.9259433+005
11	11, 1	1.2111847+002	1.2088030+002	1.4616851+004	1.7678577+006
11	11, 0	1.2111847+002	1.2088030+002	1.4616851+004	1.7678577+006
12	0,12	−1.5507702+001	2.8594678+000	2.4871524+001	3.6299187+002
12	1,12	−1.5507518+001	2.8608197+000	2.4840645+001	3.6408486+002
12	1,11	−2.7262027+000	7.9360529+000	1.0805366+002	2.0668505+003
12	2,11	−2.7170354+000	7.9955999+000	1.0772818+002	2.0870562+003
12	2,10	8.3272972+000	1.1098581+001	2.2328726+002	5.4652641+003
12	3,10	8.5042776+000	1.2065829+001	2.3253002+002	5.8098105+003
12	3, 9	1.6852718+001	1.0434254+001	2.6038650+002	7.7745356+003
12	4, 9	1.8343419+001	1.6289463+001	3.8773558+002	1.1655309+004
12	4, 8	2.2673861+001	1.0936743+001	2.7449643+002	9.0587496+003

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.500000 —*CONTINUED*

12 5, 8	2.7783232+001	2.3188285+001	6.7841641+002	2.3510672+004
12 5, 7	2.8930893+001	1.9792874+001	5.7026562+002	2.0002671+004
12 6, 7	3.8282442+001	3.3833870+001	1.2828795+003	5.3304304+004
12 6, 6	3.8415050+001	3.3226346+001	1.2558633+003	5.2171982+004
12 7, 6	5.0730045+001	4.7248003+001	2.3484114+003	1.2182742+005
12 7, 5	5.0738334+001	4.7199818+001	2.3454990+003	1.2166848+005
12 8, 5	6.5301190+001	6.2679689+001	4.0161281+003	2.6218916+005
12 8, 4	6.5301508+001	6.2677485+001	4.0159530+003	2.6217686+005
12 9, 4	8.1957827+001	8.0030456+001	6.4640769+003	5.2608177+005
12 9, 3	8.1957835+001	8.0030394+001	6.4640706+003	5.2608122+005
12 10, 3	1.0066131+002	9.9331396+001	9.9012148+003	9.8958091+005
12 10, 2	1.0066131+002	9.9331395+001	9.9012147+003	9.8958090+005
12 11, 2	1.2138928+002	1.2060661+002	1.4561725+004	1.7594122+006
12 11, 1	1.2138928+002	1.2060661+002	1.4561725+004	1.7594122+006
12 12, 1	1.4412868+002	1.4386998+002	2.0704314+004	2.9801273+006
12 12, 0	1.4412868+002	1.4386998+002	2.0704314+004	2.9801273+006
13 0,13	−1.8649839+001	3.1112024+000	2.9379814+001	4.6587739+002
13 1,13	−1.8649770+001	3.1117526+000	2.9364593+001	4.6651401+002
13 1,12	−4.7156332+000	8.7194188+000	1.2939268+002	2.7077760+003
13 2,12	−4.7118050+000	8.7465801+000	1.2915590+002	2.7214579+003
13 2,11	7.5615246+000	1.2679975+001	2.7845471+002	7.5021779+003
13 3,11	7.6461684+000	1.3198170+001	2.8256744+002	7.7322677+003
13 3,10	1.7577779+001	1.3033782+001	3.6575645+002	1.2056741+004
13 4,10	1.8464514+001	1.7228063+001	4.5724528+002	1.5268782+004
13 4, 9	2.4510896+001	1.1624424+001	3.4382767+002	1.2901802+004
13 5, 9	2.8442724+001	2.3295705+001	7.3377738+002	2.8119133+004
13 5, 8	3.0550594+001	1.8003106+001	5.5971942+002	2.2065735+004
13 6, 8	3.9008934+001	3.3310697+001	1.3074541+003	5.8089877+004
13 6, 7	3.9337762+001	3.1878653+001	1.2429023+003	5.5260654+004
13 7, 7	5.1337163+001	4.6646219+001	2.3530568+003	1.2662873+005
13 7, 6	5.1363503+001	4.6495870+001	2.3439311+003	1.2611937+005
13 8, 6	6.5795987+001	6.2173490+001	4.0081903+003	2.6658530+005
13 8, 5	6.5797285+001	6.2164583+001	4.0074821+003	2.6653502+005
13 9, 5	8.2374277+001	7.9606773+001	6.4430695+003	5.2897603+005
13 9, 4	8.2374318+001	7.9606443+001	6.4430361+003	5.2897305+005
13 10, 4	1.0102275+002	9.8965214+001	9.8651936+003	9.8936433+005
13 10, 3	1.0102275+002	9.8965206+001	9.8651926+003	9.8936422+005
13 11, 3	1.2171054+002	1.2028172+002	1.4508817+004	1.7539993+006
13 11, 2	1.2171054+002	1.2028172+002	1.4508817+004	1.7539993+006
13 12, 2	1.4441963+002	1.4357596+002	2.0632761+004	2.9669143+006
13 12, 1	1.4441963+002	1.4357596+002	2.0632761+004	2.9669143+006
13 13, 1	1.6913890+002	1.6885966+002	2.8520347+004	4.8178931+006
13 13, 0	1.6913890+002	1.6885966+002	2.8520347+004	4.8178931+006
14 0,14	−2.2077834+001	3.3624790+000	3.4266886+001	5.8637104+002
14 1,14	−2.2077808+001	3.3626996+000	3.4259621+001	5.8672553+002
14 1,13	−6.9937882+000	9.4906867+000	1.5259610+002	3.4651392+003
14 2,13	−6.9922198+000	9.5027498+000	1.5244629+002	3.4739357+003
14 2,12	6.4766615+000	1.4140858+001	3.3703454+002	9.9163622+003
14 3,12	6.5156740+000	1.4404479+001	3.3857694+002	1.0064663+004
14 3,11	1.7908341+001	1.5754540+001	4.8551319+002	1.7541279+004
14 4,11	1.8396745+001	1.8446178+001	5.4326174+002	1.9914598+004
14 4,10	2.6274610+001	1.3402407+001	4.6134406+002	1.9285025+004
14 5,10	2.9081568+001	2.3738215+001	8.1406295+002	3.4435625+004
14 5, 9	3.2530422+001	1.6675008+001	5.7420314+002	2.5546805+004
14 6, 9	3.9841388+001	3.2879371+001	1.3510345+003	6.4808902+004
14 6, 8	4.0567886+001	2.9953688+001	1.2165795+003	5.8588887+004
14 7, 8	5.2068820+001	4.5953563+001	2.3672713+003	1.3346360+005
14 7, 7	5.2143094+001	4.5540196+001	2.3420076+003	1.3201079+005
14 8, 7	6.6393069+001	6.1561260+001	4.0067339+003	2.7341796+005
14 8, 6	6.6397653+001	6.1530174+001	4.0042573+003	2.7323939+005
14 9, 6	8.2872633+001	7.9097354+001	6.4277654+003	5.3484036+005
14 9, 5	8.2872820+001	7.9095882+001	6.4276163+003	5.3482697+005
14 10, 5	1.0145174+002	9.8529461+001	9.8340478+003	9.9261696+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.500000 —*CONTINUED*				
14 10, 4	1.0145175+002	9.8529416+001	9.8340420+003	9.9261633+005
14 11, 4	1.2208907+002	1.1989846+002	1.4459679+004	1.7524623+006
14 11, 3	1.2208907+002	1.1989845+002	1.4459678+004	1.7524623+006
14 12, 3	1.4476016+002	1.4323165+002	2.0563650+004	2.9578530+006
14 12, 2	1.4476016+002	1.4323165+002	2.0563650+004	2.9578530+006
14 13, 2	1.6945004+002	1.6854523+002	2.8429385+004	4.7979617+006
14 13, 1	1.6945004+002	1.6854523+002	2.8429385+004	4.7979617+006
14 14, 1	1.9614912+002	1.9584933+002	3.8364826+004	7.5163947+006
14 14, 0	1.9614912+002	1.9584933+002	3.8364826+004	7.5163947+006
15 0,15	−2.5791638+001	3.6134872+000	3.9530934+001	7.2590739+002
15 1,15	−2.5791629+001	3.6135745+000	3.9527559+001	7.2609740+002
15 1,14	−9.5594070+000	1.0255332+001	1.7767839+002	4.3488732+003
15 2,14	−9.5587746+000	1.0260571+001	1.7759159+002	4.3542683+003
15 2,13	5.0869062+000	1.5523324+001	3.9960305+002	1.2745023+004
15 3,13	5.1043664+000	1.5652164+001	4.0002878+002	1.2838055+004
15 3,12	1.7848770+001	1.8311220+001	6.1212003+002	2.4090069+004
15 4,12	1.8101943+001	1.9891863+001	6.4470962+002	2.5694008+004
15 4,11	2.7799833+001	1.6247824+001	6.3298185+002	2.9046905+004
15 5,11	2.9644162+001	2.4569433+001	9.2276448+002	4.2825229+004
15 5,10	3.4764040+001	1.6286252+001	6.3558465+002	3.1733051+004
15 6,10	4.0755368+001	3.2656458+001	1.4211426+003	7.4026968+004
15 6, 9	4.2189044+001	2.7520424+001	1.1790275+003	6.2125139+004
15 7, 9	5.2933851+001	4.5207206+001	2.3955820+003	1.4279990+005
15 7, 8	5.3122339+001	4.4195239+001	2.3330945+003	1.3906948+005
15 8, 8	6.7107017+001	6.0832302+001	4.0134208+003	2.8309708+005
15 8, 7	6.7121383+001	6.0736358+001	4.0057493+003	2.8253246+005
15 9, 7	8.3464710+001	7.8488553+001	6.4194687+003	5.4419764+005
15 9, 6	8.3465433+001	7.8482892+001	6.4188949+003	5.4414557+005
15 10, 6	1.0195752+002	9.8013750+001	9.8092486+003	1.0000332+006
15 10, 5	1.0195755+002	9.8013527+001	9.8092205+003	1.0000301+006
15 11, 5	1.2253229+002	1.1944880+002	1.4415911+004	1.7556839+006
15 11, 4	1.2253229+002	1.1944879+002	1.4415910+004	1.7556837+006
15 12, 4	1.4515641+002	1.4283060+002	2.0498662+004	2.9540269+006
15 12, 3	1.4515641+002	1.4283060+002	2.0498662+004	2.9540269+006
15 13, 3	1.6981005+002	1.6818128+002	2.8341090+004	4.7835835+006
15 13, 2	1.6981005+002	1.6818128+002	2.8341090+004	4.7835835+006
15 14, 2	1.9648051+002	1.9551445+002	3.8251225+004	7.4872475+006
15 14, 1	1.9648051+002	1.9551445+002	3.8251225+004	7.4872475+006
15 15, 1	2.2515935+002	2.2483900+002	5.0561627+004	1.1371786+007
15 15, 0	2.2515935+002	2.2483900+002	5.0561627+004	1.1371786+007
KAPPA = − 0.600000				
2 0, 2	−3.6700309−002	3.6038988−002	1.4415595−001	5.7662381−001
2 1, 2	6.6666667−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.3333333+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.0367003+000	3.9639610+000	1.5855844+001	6.3423376+001
3 0, 3	−1.7732422−001	1.6288269−001	6.5153077−001	2.6061231+000
3 1, 3	3.1201824−001	1.0195792+000	1.1957917+000	2.7817043+000
3 1, 2	1.6415005+000	1.0272668+000	1.2726685+000	3.4812832+000
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.1773242+000	3.8371173+000	1.5348469+001	6.1393877+001
3 3, 1	9.0213151+000	8.9804208+000	8.0804208+001	7.2721830+002
3 3, 0	9.0251662+000	8.9727332+000	8.0727332+001	7.2651872+002
4 0, 4	−4.9652292−001	4.0142663−001	1.6300585+000	6.9098660+000
4 1, 4	−1.9569178−001	1.0729122+000	1.7291223+000	7.6350130+000
4 1, 3	2.0000000+000	1.1250000+000	2.2500000+000	1.2375000+001
4 2, 3	3.9712622+000	4.0286008+000	1.6572016+001	7.3609861+001
4 2, 2	4.4674509+000	3.6281786+000	1.4960696+001	6.7010497+001
4 3, 2	9.0845807+000	8.9270878+000	8.0270878+001	7.2236499+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

4	3, 1	9.1111111+000	8.8750000+000	7.9750000+001	7.1762500+002
4	4, 1	1.6028738+001	1.5971399+001	2.5542798+002	4.0863901+003
4	4, 0	1.6029072+001	1.5970395+001	2.5540925+002	4.0860796+003
5	0, 5	−1.0441530+000	7.0712917−001	2.9814940+000	1.4373613+001
5	1, 5	−8.7711200−001	1.1676643+000	2.6833034+000	1.6490565+001
5	1, 4	2.3534576+000	1.3624532+000	4.6433167+000	3.4640710+001
5	2, 4	3.8898991+000	4.1081170+000	1.8162339+001	1.0032730+002
5	2, 3	4.9310751+000	3.4098704+000	1.5346358+001	8.8695452+001
5	3, 3	9.1756233+000	8.8673457+000	8.0505724+001	7.4605781+002
5	3, 2	9.2783608+000	8.6726620+000	7.8548864+001	7.2799077+002
5	4, 2	1.6110101+001	1.5891883+001	2.5383766+002	4.0596727+003
5	4, 1	1.6113078+001	1.5883000+001	2.5367215+002	4.0569309+003
5	5, 1	2.5034822+001	2.4964990+001	6.2381097+002	1.5592452+004
5	5, 0	2.5034848+001	2.4964885+001	6.2380782+002	1.5592369+004
6	0, 6	−1.8358688+000	1.0197879+000	4.5742311+000	2.6251899+001
6	1, 6	−1.7497302+000	1.3029101+000	4.0701423+000	3.0001266+001
6	1, 5	2.6259570+000	1.8190886+000	9.3489425+000	8.1069041+001
6	2, 5	3.7278229+000	4.2614311+000	2.1239507+001	1.5245044+002
6	2, 4	5.5490764+000	3.2846972+000	1.7468487+001	1.3960329+002
6	3, 4	9.2887603+000	8.8252359+000	8.2277153+001	8.1896425+002
6	3, 3	9.5794539+000	8.3102000+000	7.7032555+001	7.6879763+002
6	4, 3	1.6231307+001	1.5779697+001	2.5289658+002	4.0949265+003
6	4, 2	1.6245921+001	1.5736652+001	2.5209380+002	4.0815381+003
6	5, 2	2.5127637+001	2.4871854+001	6.2065270+002	1.5506034+004
6	5, 1	2.5127922+001	2.4870711+001	6.2061850+002	1.5505133+004
6	6, 1	3.6040870+001	3.5958872+001	1.2938639+003	4.6568623+004
6	6, 0	3.6040872+001	3.5958863+001	1.2938635+003	4.6568607+004
7	0, 7	−2.8685775+000	1.3105979+000	6.3778902+000	4.3937140+001
7	1, 7	−2.8263846+000	1.4713556+000	5.8542587+000	4.8824998+001
7	1, 6	2.7330516+000	2.5259976+000	1.6964781+001	1.6457822+002
7	2, 6	3.4548865+000	4.5067265+000	2.6207710+001	2.3835812+002
7	2, 5	6.2714507+000	3.3460272+000	2.2640787+001	2.4223111+002
7	3, 5	9.4092121+000	8.8349390+000	8.6532567+001	9.6600626+002
7	3, 4	1.0070305+001	7.7870186+000	7.5623176+001	8.5557184+002
7	4, 4	1.6400189+001	1.5639142+001	2.5335923+002	4.2310299+003
7	4, 3	1.6452177+001	1.5489368+001	2.5055374+002	4.1834300+003
7	5, 3	2.5259103+001	2.4740962+001	6.1810626+002	1.5540734+004
7	5, 2	2.5260796+001	2.4734241+001	6.1790518+002	1.5535417+004
7	6, 2	3.6144925+001	3.5854132+001	1.2884331+003	4.6346612+004
7	6, 1	3.6144950+001	3.5854007+001	1.2884276+003	4.6346402+004
7	7, 1	4.9046959+001	4.8952744+001	2.3975069+003	1.1744844+005
7	7, 0	4.9046959+001	4.8952743+001	2.3975069+003	1.1744843+005
8	0, 8	−4.1353404+000	1.5772138+000	8.4260199+000	6.8619531+001
8	1, 8	−4.1154129+000	1.6634398+000	7.9883224+000	7.3818524+001
8	1, 7	2.6077458+000	3.4112931+000	2.7248321+001	2.9562518+002
8	2, 7	3.0416692+000	4.8522191+000	3.3322739+001	3.6594758+002
8	2, 6	7.0280973+000	3.6886292+000	3.2738654+001	4.3532282+002
8	3, 6	9.5136965+000	8.9348601+000	9.4318346+001	1.2161431+003
8	3, 5	1.0783342+001	7.2152717+000	7.5905355+001	1.0169533+003
8	4, 5	1.6620090+001	1.5488284+001	2.5632305+002	4.5161521+003
8	4, 4	1.6768830+001	1.5075519+001	2.4851883+002	4.3796094+003
8	5, 4	2.5439145+001	2.4565344+001	6.1677656+002	1.5758498+004
8	5, 3	2.5446339+001	2.4537091+001	6.1593029+002	1.5735921+004
8	6, 3	3.6285164+001	3.5712909+001	1.2836899+003	4.6344329+004
8	6, 2	3.6285337+001	3.5712049+001	1.2836522+003	4.6342877+004
8	7, 2	4.9162571+001	4.8836356+001	2.3889168+003	1.1695554+005
8	7, 1	4.9162573+001	4.8836344+001	2.3889160+003	1.1695550+005
8	8, 1	6.4053076+001	6.3946589+001	4.0906643+003	2.6173357+005
8	8, 0	6.4053076+001	6.3946589+001	4.0906643+003	2.6173357+005

KAPPA = −0.600000 —*CONTINUED*

9	0, 9	−5.6308637+000	1.8262132+000	1.0756613+001	1.0125383+002
9	1, 9	−5.6217022+000	1.8705522+000	1.0435836+001	1.0603915+002
9	1, 8	2.2193702+000	4.3464261+000	3.9384936+001	4.8010639+002
9	2, 8	2.4622248+000	5.2936713+000	4.2653132+001	5.4246698+002
9	2, 7	7.7324561+000	4.4102925+000	5.0111168+001	7.7861203+002
9	3, 7	9.5724357+000	9.1608968+000	1.0666858+002	1.6018400+003
9	3, 6	1.1706890+001	6.7796707+000	8.0567268+001	1.3051667+003
9	4, 6	1.6887132+001	1.5361224+001	2.6326504+002	5.0093150+003
9	4, 5	1.7246915+001	1.4422598+001	2.4523502+002	4.6790657+003
9	5, 5	2.5677587+001	2.4342846+001	6.1750512+002	1.6232151+004
9	5, 4	2.5702044+001	2.4248295+001	6.1466315+002	1.6155065+004
9	6, 4	3.6470166+001	3.5526756+001	1.2802116+003	4.6658111+004
9	6, 3	3.6471015+001	3.5522548+001	1.2800271+003	4.6650968+004
9	7, 3	4.9312467+001	4.8685290+001	2.3811294+003	1.1683336+005
9	7, 2	4.9312483+001	4.8685194+001	2.3811236+003	1.1683305+005
9	8, 2	6.4180477+001	6.3818349+001	4.0778702+003	2.6075011+005
9	8, 1	6.4180477+001	6.3818348+001	4.0778701+003	2.6075010+005
9	9, 1	8.1059213+001	8.0940415+001	6.5532611+003	5.3067161+005
9	9, 0	8.1059213+001	8.0940415+001	6.5532611+003	5.3067161+005
10	0,10	−7.3520114+000	2.0643097+000	1.3391764+001	1.4268770+002
10	1,10	−7.3478858+000	2.0863805+000	1.3176997+001	1.4664078+002
10	1, 9	1.5672599+000	5.2419489+000	5.2763142+001	7.2219388+002
10	2, 9	1.6959456+000	5.8163650+000	5.4109350+001	7.7474203+002
10	2, 8	8.2894311+000	5.5575134+000	7.6607561+001	1.3438688+003
10	3, 8	9.5519859+000	9.5399197+000	1.2446585+002	2.1578281+003
10	3, 7	1.2788564+001	6.6506725+000	9.2953997+001	1.8077795+003
10	4, 7	1.7188457+001	1.5305342+001	2.7599124+002	5.7817728+003
10	4, 6	1.7943654+001	1.3516231+001	2.4081945+002	5.0980547+003
10	5, 6	2.5982474+001	2.4081395+001	6.2151426+002	1.7049089+004
10	5, 5	2.6052882+001	2.3815611+001	6.1347241+002	1.6825307+004
10	6, 5	3.6709455+001	3.5287215+001	1.2786748+003	4.7394654+004
10	6, 4	3.6712783+001	3.5270877+001	1.2779574+003	4.7366612+004
10	7, 4	4.9503764+001	4.8492133+001	2.3747752+003	1.1722740+005
10	7, 3	4.9503854+001	4.8491596+001	2.3747428+003	1.1722568+005
10	8, 3	6.4340781+001	6.3656850+001	4.0660021+003	2.6035507+005
10	8, 2	6.4340782+001	6.3656841+001	4.0660013+003	2.6035501+005
10	9, 2	8.1198551+001	8.0800172+001	6.5350677+003	5.2886404+005
10	9, 1	8.1198551+001	8.0800172+001	6.5350677+003	5.2886404+005
10	10, 1	1.0006536+002	9.9934228+001	9.9892225+003	9.9865377+005
10	10, 0	1.0006536+002	9.9934228+001	9.9892225+003	9.9865377+005
11	0,11	−9.2971146+000	2.2961799+000	1.6339423+001	1.9377346+002
11	1,11	−9.2952872+000	2.3068852+000	1.6204927+001	1.9677585+002
11	1,10	6.6262010−001	6.0724656+000	6.7227894+001	1.0269432+003
11	2,10	7.2806944−001	6.4003593+000	6.7519984+001	1.0695343+003
11	2, 9	8.6161056+000	7.0470148+000	1.1202759+002	2.1855090+003
11	3, 9	9.4184368+000	1.0084309+001	1.4829838+002	2.9190995+003
11	3, 8	1.3949595+001	6.9661532+000	1.1714653+002	2.6655422+003
11	4, 8	1.7502077+001	1.5374120+001	2.9649769+002	6.9177344+003
11	4, 7	1.8900148+001	1.2484685+001	2.3800435+002	5.7015438+003
11	5, 7	2.6357776+001	2.3804504+001	6.3056517+002	1.8316839+004
11	5, 6	2.6534979+001	2.3159443+001	6.1083694+002	1.7747860+004
11	6, 6	3.7013116+001	3.4987832+001	1.2799310+003	4.8672875+004
11	6, 5	3.7024114+001	3.4934492+001	1.2775822+003	4.8579657+004
11	7, 5	4.9744463+001	4.8248527+001	2.3705331+003	1.1829483+005
11	7, 4	4.9744861+001	4.8246165+001	2.3703903+003	1.1828721+005
11	8, 4	6.4540002+001	6.3455810+001	4.0557667+003	2.6075918+005
11	8, 3	6.4540010+001	6.3455749+001	4.0557618+003	2.6075884+005
11	9, 3	8.1369759+001	8.0627742+001	6.5179245+003	5.2794581+005
11	9, 2	8.1369759+001	8.0627741+001	6.5179244+003	5.2794580+005
11	10, 2	1.0021674+002	9.9781879+001	9.9642847+003	9.9554068+005
11	10, 1	1.0021674+002	9.9781879+001	9.9642847+003	9.9554068+005
11	11, 1	1.2107152+002	1.2092803+002	1.4626474+004	1.7693326+006
11	11, 0	1.2107152+002	1.2092803+002	1.4626474+004	1.7693326+006

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.600000 —*CONTINUED*

12	0,12	−1.1465330+001	2.5246382+000	1.9599787+001	2.5541623+002
12	1,12	−1.1464531+001	2.5297219+000	1.9519810+001	2.5754827+002
12	1,11	−4.8325653−001	6.8471652+000	8.2870700+001	1.4004794+003
12	2,11	−4.5099698−001	7.0260052+000	8.2708611+001	1.4337573+003
12	2,10	8.6645368+000	8.6837178+000	1.5398936+002	3.3179261+003
12	3,10	9.1404993+000	1.0789273+001	1.7836896+002	3.9187131+003
12	3, 9	1.5094060+001	7.8473904+000	1.5801475+002	4.0869725+003
12	4, 9	1.7798312+001	1.5618057+001	3.2676493+002	8.5135561+003
12	4, 8	2.0116291+001	1.1587499+001	2.4261240+002	6.6475263+003
12	5, 8	2.6800897+001	2.3554298+001	6.4705702+002	2.0169623+004
12	5, 7	2.7197914+001	2.2187462+001	6.0458865+002	1.8886930+004
12	6, 7	3.7390981+001	3.4627853+001	1.2851530+003	5.0629001+004
12	6, 6	3.7422756+001	3.4476361+001	1.2784490+003	5.0357124+004
12	7, 6	5.0043435+001	4.7945480+001	2.3691390+003	1.2020356+005
12	7, 5	5.0044915+001	4.7936762+001	2.3686113+003	1.2017512+005
12	8, 5	6.4784839+001	6.3208082+001	4.0479112+003	2.6218814+005
12	8, 4	6.4784882+001	6.3207781+001	4.0478873+003	2.6218646+005
12	9, 4	8.1578033+001	8.0417720+001	6.5026182+003	5.2821034+005
12	9, 3	8.1578033+001	8.0417714+001	6.5026175+003	5.2821028+005
12	10, 3	1.0039918+002	9.9598172+001	9.9405216+003	9.9371954+005
12	10, 2	1.0039918+002	9.9598172+001	9.9405216+003	9.9371953+005
12	11, 2	1.2123500+002	1.2076351+002	1.4593297+004	1.7642462+006
12	11, 1	1.2123500+002	1.2076351+002	1.4593297+004	1.7642462+006
12	12, 1	1.4407768+002	1.4392183+002	2.0716941+004	2.9824600+006
12	12, 0	1.4407768+002	1.4392183+002	2.0716941+004	2.9824600+006
13	0,13	−1.3856241+001	2.7512559+000	2.3170127+001	3.2857628+002
13	1,13	−1.3855896+001	2.7536278+000	2.3124503+001	3.3000913+002
13	1,12	−1.8624677+000	7.5832350+000	9.9825469+001	1.8494527+003
13	2,12	−1.8469562+000	7.6773849+000	9.9538780+001	1.8744818+003
13	2,11	8.4249068+000	1.0289480+001	1.9987765+002	4.7315005+003
13	3,11	8.6918859+000	1.1634629+001	2.1450903+002	5.1863345+003
13	3,10	1.6116575+001	9.3629336+000	2.1982374+002	6.3235577+003
13	4,10	1.8042408+001	1.6075959+001	3.6851109+002	1.0674293+004
13	4, 9	2.1544545+001	1.1095829+001	2.6213435+002	8.2065758+003
13	5, 9	2.7300722+001	2.3389498+001	6.7399059+002	2.2774205+004
13	5, 8	2.8100025+001	2.0859601+001	5.9367592+002	2.0210618+004
13	6, 8	3.7851242+001	3.4217622+001	1.2960598+003	5.3426281+004
13	6, 7	3.7933304+001	3.3835637+001	1.2790261+003	5.2715348+004
13	7, 7	5.0410313+001	4.7574310+001	2.3714299+003	1.2313302+005
13	7, 6	5.0415110+001	4.7546330+001	2.3697324+003	1.2304026+005
13	8, 6	6.5082719+001	6.2905588+001	4.0432104+003	2.6488024+005
13	8, 5	6.5082898+001	6.2904352+001	4.0431119+003	2.6487330+005
13	9, 5	8.1829098+001	8.0164031+001	6.4899785+003	5.2997051+005
13	9, 4	8.1829102+001	8.0163996+001	6.4899750+003	5.2997020+005
13	10, 4	1.0061727+002	9.9378372+001	9.9187995+003	9.9358572+005
13	10, 3	1.0061727+002	9.9378371+001	9.9187994+003	9.9358571+005
13	11, 3	1.2142891+002	1.2056828+002	1.4561420+004	1.7609764+006
13	11, 2	1.2142891+002	1.2056828+002	1.4561420+004	1.7609764+006
13	12, 2	1.4425332+002	1.4374508+002	2.0673880+004	2.9745030+006
13	12, 1	1.4425332+002	1.4374508+002	2.0673880+004	2.9745030+006
13	13, 1	1.6908385+002	1.6891562+002	2.8536548+004	4.8214445+006
13	13, 0	1.6908385+002	1.6891562+002	2.8536548+004	4.8214445+006
14	0,14	−1.6469641+001	2.9768742+000	2.7047329+001	4.1425230+002
14	1,14	−1.6469493+001	2.9779643+000	2.7022175+001	4.1517199+002
14	1,13	−3.4702397+000	8.2951209+000	1.1819053+002	2.3807309+003
14	2,13	−3.4629298+000	8.3432948+000	1.1792446+002	2.3988346+003
14	2,12	7.9091209+000	1.1784358+001	2.4837838+002	6.4225324+003
14	3,12	8.0524957+000	1.2590752+001	2.5629847+002	6.7480900+003
14	3,11	1.6919079+001	1.1436924+001	3.0317309+002	9.5725888+003
14	4,11	1.8197764+001	1.6768058+001	4.2294049+002	1.3507150+004
14	4,10	2.3102542+001	1.1218864+001	3.0475873+002	1.0780665+004
14	5,10	2.7836897+001	2.3377953+001	7.1476455+002	2.6332797+004
14	5, 9	2.9290484+001	1.9294735+001	5.8160683+002	2.1815263+004

KAPPA = −0.600000 —*CONTINUED*				
14 6, 9	3.8398459+001	3.3784500+001	1.3151786+003	5.7269648+004
14 6, 8	3.8590631+001	3.2920162+001	1.2762107+003	5.5583204+004
14 7, 8	5.0855164+001	4.7128761+001	2.3784538+003	1.2727872+005
14 7, 7	5.0869054+001	4.7048808+001	2.3735845+003	1.2700762+005
14 8, 7	6.5441829+001	6.2539359+001	4.0424595+003	2.6908408+005
14 8, 6	6.5442470+001	6.2534958+001	4.0421083+003	2.6905911+005
14 9, 6	8.2129248+001	7.9859827+001	6.4808629+003	5.3355580+005
14 9, 5	8.2129268+001	7.9859670+001	6.4808470+003	5.3355437+005
14 10, 5	1.0087598+002	9.9117219+001	9.9000310+003	9.9555933+005
14 10, 4	1.0087598+002	9.9117216+001	9.9000306+003	9.9555928+005
14 11, 4	1.2165734+002	1.2033814+002	1.4531787+004	1.7600417+006
14 11, 3	1.2165734+002	1.2033814+002	1.4531787+004	1.7600417+006
14 12, 3	1.4445887+002	1.4353815+002	2.0632246+004	2.9690315+006
14 12, 2	1.4445887+002	1.4353815+002	2.0632246+004	2.9690315+006
14 13, 2	1.6927169+002	1.6872660+002	2.8481811+004	4.8094427+006
14 13, 1	1.6927169+002	1.6872660+002	2.8481811+004	4.8094427+006
14 14, 1	1.9609002+002	1.9590941+002	3.8385220+004	7.5216295+006
14 14, 0	1.9609002+002	1.9590941+002	3.8385220+004	7.5216295+006
15 0,15	−1.9305427+001	3.2019334+000	3.1228863+001	5.1346293+002
15 1,15	−1.9305364+001	3.2024281+000	3.1215386+001	5.1403068+002
15 1,14	−5.3038808+000	8.9925792+000	1.3802133+002	3.0013064+003
15 2,14	−5.3004933+000	9.0166555+000	1.3782056+002	3.0139068+003
15 2,13	7.1338898+000	1.3165478+001	2.9935581+002	8.4032167+003
15 3,13	7.2083187+000	1.3626033+001	3.0323009+002	8.6275203+003
15 3,12	1.7434700+001	1.3823793+001	4.0339208+002	1.3872698+004
15 4,12	1.8229246+001	1.7692421+001	4.9055852+002	1.7113098+004
15 4,11	2.4686856+001	1.2115275+001	3.7943855+002	1.4931289+004
15 5,11	2.8380639+001	2.3585857+001	7.7283206+002	3.1080707+004
15 5,10	3.0782842+001	1.7805154+001	5.7858105+002	2.4075404+004
15 6,10	3.9031264+001	3.3376804+001	1.3460471+003	6.2423345+004
15 6, 9	3.9442650+001	3.1617162+001	1.2655204+003	5.8782939+004
15 7, 9	5.1387805+001	4.6608772+001	2.3916812+003	1.3286337+005
15 7, 8	5.1424327+001	4.6402180+001	2.3790268+003	1.3214184+005
15 8, 8	6.5871117+001	6.2099890+001	4.0464888+003	2.7505745+005
15 8, 7	6.5873164+001	6.2085941+001	4.0453736+003	2.7497715+005
15 9, 7	8.2485382+001	7.9497390+001	6.4761385+003	5.3930877+005
15 9, 6	8.2485459+001	7.9496775+001	6.4760761+003	5.3930315+005
15 10, 6	1.0118077+002	9.8808859+001	9.8851625+003	1.0000821+006
15 10, 5	1.0118077+002	9.8808840+001	9.8851601+003	1.0000819+006
15 11, 5	1.2192469+002	1.2006846+002	1.4505394+004	1.7619914+006
15 11, 4	1.2192469+002	1.2006846+002	1.4505393+004	1.7619914+006
15 12, 4	1.4469801+002	1.4329728+002	2.0593059+004	2.9667104+006
15 12, 3	1.4469801+002	1.4329728+002	2.0593059+004	2.9667104+006
15 13, 3	1.6948900+002	1.6850786+002	2.8428626+004	4.8007635+006
15 13, 2	1.6948900+002	1.6850786+002	2.8428626+004	4.8007635+006
15 14, 2	1.9629008+002	1.9570809+002	3.8316864+004	7.5040796+006
15 14, 1	1.9629008+002	1.9570809+002	3.8316864+004	7.5040796+006
15 15, 1	2.2509620+002	2.2490320+002	5.0586884+004	1.1379291+007
15 15, 0	2.2509620+002	2.2490320+002	5.0586884+004	1.1379291+007
KAPPA = − 0.700000				
2 0, 2	−1.9626129−002	1.9435408−002	7.7741632−002	3.1096653−001
2 1, 2	7.5675676−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.2432432+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.0196261+000	3.9805646+000	1.5922258+001	6.3689033+001
3 0, 3	−9.6293992−002	9.1870694−002	3.6748278−001	1.4699311+000
3 1, 3	5.0190948−001	1.0109090+000	1.1090900+000	1.9927191+000
3 1, 2	1.4733847+000	1.0139016+000	1.1390162+000	2.2650478+000
3 2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3 2, 1	4.0962940+000	3.9081293+000	1.5632517+001	6.2530069+001
3 3, 1	9.0116040+000	8.9890910+000	8.0890910+001	7.2800728+002
3 3, 0	9.0131018+000	8.9860984+000	8.0860984+001	7.2773495+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

4	0, 4	−2.7738498−001	2.4487414−001	9.8763996−001	4.0808545+000
4	1, 4	1.4243021−001	1.0420101+000	1.4201011+000	4.8229201+000
4	1, 3	1.7536550+000	1.0626065+000	1.6260651+000	6.6971925+000
4	2, 3	3.9846799+000	4.0152811+000	1.6305622+001	6.9134445+001
4	2, 2	4.2619702+000	3.7706912+000	1.5323287+001	6.5141493+001
4	3, 2	9.0467590+000	8.9579899+000	8.0579899+001	7.2517708+002
4	3, 1	9.0571558+000	8.9373935+000	8.0373935+001	7.2330281+002
4	4, 1	1.6015320+001	1.5984719+001	2.5569438+002	4.0908656+003
4	4, 0	1.6015415+001	1.5984435+001	2.5568907+002	4.0907777+003
5	0, 5	−6.0519027−001	4.7313006−001	1.9504026+000	8.7277290+000
5	1, 5	−3.3468187−001	1.1005172+000	2.0073928+000	1.0224792+001
5	1, 4	2.0568490+000	1.1801324+000	2.8061756+000	1.7561844+001
5	2, 4	3.9411216+000	4.0583062+000	1.7166124+001	8.3590891+001
5	2, 3	4.5454645+000	3.5877110+000	1.5262994+001	7.5646379+001
5	3, 3	9.0999467+000	8.9180578+000	8.0623770+001	7.3705499+002
5	3, 2	9.1408428+000	8.8384642+000	7.9825637+001	7.2973507+002
5	4, 2	1.6058878+001	1.5941694+001	2.5483388+002	4.0764091+003
5	4, 1	1.6059726+001	1.5939159+001	2.5478660+002	4.0756259+003
5	5, 1	2.5018519+001	2.4981425+001	6.2436884+002	1.5607720+004
5	5, 0	2.5018524+001	2.4981403+001	6.2436819+002	1.5607703+004
6	0, 6	−1.1043456+000	7.4036962−001	3.1726614+000	1.6077545+001
6	1, 6	−9.4176362−001	1.1895315+000	2.9099086+000	1.8758133+001
6	1, 5	2.3445253+000	1.4139200+000	5.1809246+000	4.0127074+001
6	2, 5	3.8537009+000	4.1431332+000	1.8865865+001	1.1227203+002
6	2, 4	4.9538502+000	3.4152352+000	1.5925929+001	1.0006554+002
6	3, 4	9.1711635+000	8.8785408+000	8.1401655+001	7.7451585+002
6	3, 3	9.2902207+000	8.6543891+000	7.9137734+001	7.5333391+002
6	4, 3	1.6124568+001	1.5878671+001	2.5426725+002	4.0940874+003
6	4, 2	1.6128764+001	1.5866201+001	2.5403458+002	4.0902188+003
6	5, 2	2.5067897+001	2.4931928+001	6.2268844+002	1.5561726+004
6	5, 1	2.5067957+001	2.4931691+001	6.2268134+002	1.5561539+004
6	6, 1	3.6021731+001	3.5978196+001	1.2948669+003	4.6609641+004
6	6, 0	3.6021732+001	3.5978194+001	1.2948668+003	4.6609638+004
7	0, 7	−1.7819675+000	1.0102395+000	4.5769281+000	2.6952099+001
7	1, 7	−1.6892367+000	1.3077084+000	4.1305881+000	3.0875610+001
7	1, 6	2.5677020+000	1.8128191+000	9.3274523+000	8.1947310+001
7	2, 6	3.7047764+000	4.2835484+000	2.1693185+001	1.6051644+002
7	2, 5	5.4715923+000	3.3178568+000	1.7949744+001	1.4756962+002
7	3, 5	9.2560521+000	8.8554472+000	8.3408042+001	8.5089547+002
7	3, 4	9.5393010+000	8.3517425+000	7.8253301+001	8.0093614+002
7	4, 4	1.6218169+001	1.5793779+001	2.5432263+002	4.1637450+003
7	4, 3	1.6233317+001	1.5749250+001	2.5348997+002	4.1497715+003
7	5, 3	2.5137946+001	2.4861897+001	6.2131418+002	1.5579638+004
7	5, 2	2.5138298+001	2.4860491+001	6.2127206+002	1.5578526+004
7	6, 2	3.6077055+001	3.5922673+001	1.2919842+003	4.6491739+004
7	6, 1	3.6077059+001	3.5922654+001	1.2919834+003	4.6491707+004
7	7, 1	4.9024969+001	4.8974947+001	2.3991472+003	1.1754259+005
7	7, 0	4.9024969+001	4.8974947+001	2.3991472+003	1.1754259+005
8	0, 8	−2.6359494+000	1.2648005+000	6.1424883+000	4.2211298+001
8	1, 8	−2.5850484+000	1.4504945+000	5.6487381+000	4.7041130+001
8	1, 7	2.6734176+000	2.3968164+000	1.5643039+001	1.5180868+002
8	2, 7	3.4757157+000	4.4906057+000	2.5900258+001	2.3378203+002
8	2, 6	6.0672678+000	3.3541135+000	2.2171971+001	2.3289790+002
8	3, 6	9.3454280+000	8.8699314+000	8.7231754+001	9.8198175+002
8	3, 5	9.9232862+000	7.9296081+000	7.7417295+001	8.8198792+002
8	4, 5	1.6344459+001	1.5689899+001	2.5546857+002	4.3096067+003
8	4, 4	1.6388830+001	1.5561721+001	2.5306010+002	4.2685001+003
8	5, 4	2.5234265+001	2.4766314+001	6.2053081+002	1.5694091+004
8	5, 3	2.5235778+001	2.4760317+001	6.2035105+002	1.5689321+004
8	6, 3	3.6151603+001	3.5847812+001	1.2894613+003	4.6490358+004
8	6, 2	3.6151629+001	3.5847681+001	1.2894556+003	4.6490137+004
8	7, 2	4.9086437+001	4.8913260+001	2.3945887+003	1.1728089+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

8	7, 1	4.9086437+001	4.8913259+001	2.3945886+003	1.1728088+005
8	8, 1	6.4028222+001	6.3971684+001	4.0931699+003	2.6192625+005
8	8, 0	6.4028222+001	6.3971684+001	4.0931699+003	2.6192625+005
9	0, 9	−3.6618973+000	1.5011145+000	7.8860313+000	6.2621042+001
9	1, 9	−3.6347405+000	1.6120044+000	7.4358687+000	6.7810571+001
9	1, 8	2.6170928+000	3.1292977+000	2.4064350+001	2.5722750+002
9	2, 8	3.1481628+000	4.7702275+000	3.1664406+001	3.3737201+002
9	2, 7	6.6985812+000	3.5827125+000	2.9736486+001	3.7974978+002
9	3, 7	9.4255540+000	8.9455829+000	9.3520120+001	1.1859755+003
9	3, 6	1.0465798+001	7.4488164+000	7.7508322+001	1.0130834+003
9	4, 6	1.6505938+001	1.5577072+001	2.5835463+002	4.5610465+003
9	4, 5	1.6617287+001	1.5264117+001	2.5242486+002	4.4571420+003
9	5, 5	2.5362942+001	2.4640751+001	6.2069611+002	1.5942625+004
9	5, 4	2.5368161+001	2.4620235+001	6.2008007+002	1.5926134+004
9	6, 4	3.6249940+001	3.5748991+001	1.2876001+003	4.6657480+004
9	6, 3	3.6250070+001	3.5748346+001	1.2875717+003	4.6656386+004
9	7, 3	4.9166110+001	4.8833252+001	2.3904526+003	1.1721577+005
9	7, 2	4.9166112+001	4.8833241+001	2.3904519+003	1.1721573+005
9	8, 2	6.4095959+001	6.3903710+001	4.0863809+003	2.6140410+005
9	8, 1	6.4095959+001	6.3903710+001	4.0863809+003	2.6140410+005
9	9, 1	8.1031485+001	8.0968410+001	6.5568953+003	5.3103282+005
9	9, 0	8.1031485+001	8.0968410+001	6.5568953+003	5.3103282+005
10	0,10	−4.8560692+000	1.7225794+000	9.8319731+000	8.8828818+001
10	1,10	−4.8418919+000	1.7865865+000	9.4670914+000	9.3842441+001
10	1, 9	2.3729477+000	3.9315254+000	3.4119961+001	4.0278364+002
10	2, 9	2.7053150+000	5.1218252+000	3.9065563+001	4.7628712+002
10	2, 8	7.3140525+000	4.0665729+000	4.2103574+001	6.2373819+002
10	3, 8	9.4789814+000	9.1053705+000	1.0293062+002	1.4833183+003
10	3, 7	1.1167721+001	7.0200902+000	8.0076978+001	1.2233117+003
10	4, 7	1.6701545+001	1.5473793+001	2.6383422+002	4.9534390+003
10	4, 6	1.6948364+001	1.4809008+001	2.5107599+002	4.7214967+003
10	5, 6	2.5530139+001	2.4482903+001	6.2228161+002	1.6368544+004
10	5, 5	2.5545469+001	2.4423304+001	6.2048599+002	1.6319801+004
10	6, 5	3.6377212+001	3.5621093+001	1.2867385+003	4.7050738+004
10	6, 4	3.6377725+001	3.5618552+001	1.2866268+003	4.7046405+004
10	7, 4	4.9267741+001	4.8731071+001	2.3870790+003	1.1742612+005
10	7, 3	4.9267751+001	4.8731012+001	2.3870754+003	1.1742592+005
10	8, 3	6.4181174+001	6.3818159+001	4.0800778+003	2.6119372+005
10	8, 2	6.4181174+001	6.3818158+001	4.0800778+003	2.6119372+005
10	9, 2	8.1105571+001	8.0894069+001	6.5472417+003	5.3007318+005
10	9, 1	8.1105571+001	8.0894069+001	6.5472417+003	5.3007318+005
10	10, 1	1.0003475+002	9.9965130+001	9.9942839+003	9.9928582+005
10	10, 0	1.0003475+002	9.9965130+001	9.9942839+003	9.9928582+005
11	0,11	−6.2159445+000	1.9336973+000	1.1998445+001	1.2140945+002
11	1,11	−6.2086689+000	1.9696654+000	1.1725775+001	1.2586123+002
11	1,10	1.9341760+000	4.7308102+000	4.5308079+001	5.9110331+002
11	2,10	2.1329203+000	5.5386250+000	4.8089884+001	6.5523467+002
11	2, 9	7.8552662+000	4.8558275+000	6.0739210+001	1.0110131+003
11	3, 9	9.4857543+000	9.3686223+000	1.1607038+002	1.8962323+003
11	3, 8	1.2005839+001	6.7597398+000	8.7108626+001	1.5593645+003
11	4, 8	1.6925704+001	1.5406419+001	2.7295510+002	5.5289739+003
11	4, 7	1.7417583+001	1.4163986+001	2.4868017+002	5.0663826+003
11	5, 7	2.5741417+001	2.4294804+001	6.2593389+002	1.7022498+004
11	5, 6	2.5781146+001	2.4142807+001	6.2132942+002	1.6894979+004
11	6, 6	3.6539101+001	3.5458803+001	1.2872603+003	4.7733426+004
11	6, 5	3.6540819+001	3.5450341+001	1.2868878+003	4.7718856+004
11	7, 5	4.9395528+001	4.8602356+001	2.3848366+003	1.1799815+005
11	7, 4	4.9395573+001	4.8602090+001	2.3848205+003	1.1799729+005
11	8, 4	6.4287034+001	6.3711784+001	4.0746425+003	2.6140918+005
11	8, 3	6.4287034+001	6.3711779+001	4.0746421+003	2.6140916+005
11	9, 3	8.1196589+001	8.0802707+001	6.5381374+003	5.2958438+005
11	9, 2	8.1196589+001	8.0802707+001	6.5381374+003	5.2958438+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.700000 —*CONTINUED*

11	10, 2	1.0011524+002	9.9884368+001	9.9810522+003	9.9763318+005
11	10, 1	1.0011524+002	9.9884368+001	9.9810522+003	9.9763318+005
11	11, 1	1.2103803+002	1.2096184+002	1.4633296+004	1.7703789+006
11	11, 0	1.2103803+002	1.2096184+002	1.4633296+004	1.7703789+006
12	0,12	−7.7399954+000	2.1381647+000	1.4395121+001	1.6091899+002
12	1,12	−7.7363132+000	2.1579417+000	1.4203297+001	1.6461117+002
12	1,11	1.3051071+000	5.4896340+000	5.7363039+001	8.2476506+002
12	2,11	1.4197792+000	6.0095891+000	5.8657056+001	8.7874499+002
12	2,10	8.2638562+000	5.9492537+000	8.6401690+001	1.5876330+003
12	3,10	9.4248164+000	9.7482649+000	1.3342848+002	2.4478853+003
12	3, 9	1.2939038+001	6.7647351+000	1.0093108+002	2.0925697+003
12	4, 9	1.7167921+001	1.5406614+001	2.8691317+002	6.3372703+003
12	4, 8	1.8058778+001	1.3353507+001	2.4586514+002	5.5107331+003
12	5, 8	2.6000799+001	2.4085424+001	6.3254888+002	1.7964888+004
12	5, 7	2.6093638+001	2.3738256+001	6.2194677+002	1.7663270+004
12	6, 7	3.6741706+001	3.5257281+001	1.2896188+003	4.8775058+004
12	6, 6	3.6746764+001	3.5232583+001	1.2885290+003	4.8731925+004
12	7, 6	4.9554141+001	4.8442218+001	2.3841197+003	1.1902486+005
12	7, 5	4.9554308+001	4.8441224+001	2.3840595+003	1.1902164+005
12	8, 5	6.4417049+001	6.3580943+001	4.0704859+003	2.6217422+005
12	8, 4	6.4417053+001	6.3580919+001	4.0704839+003	2.6217408+005
12	9, 4	8.1307279+001	8.0691526+001	6.5300060+003	5.2972490+005
12	9, 3	8.1307279+001	8.0691525+001	6.5300060+003	5.2972490+005
12	10, 3	1.0021224+002	9.9787016+001	9.9684333+003	9.9666410+005
12	10, 2	1.0021224+002	9.9787016+001	9.9684333+003	9.9666410+005
12	11, 2	1.2112495+002	1.2087463+002	1.4615694+004	1.7676789+006
12	11, 1	1.2112495+002	1.2087463+002	1.4615694+004	1.7676789+006
12	12, 1	1.4404131+002	1.4395856+002	2.0725892+004	2.9841146+006
12	12, 0	1.4404131+002	1.4395856+002	2.0725892+004	2.9841146+006
13	0,13	−9.4273452+000	2.3385497+000	1.7025454+001	2.0792898+002
13	1,13	−9.4255029+000	2.3492297+000	1.6896704+001	2.1082387+002
13	1,12	4.9337985−001	6.2008835+000	7.0243574+001	1.1071188+003
13	2,12	5.5771783−001	6.5220506+000	7.0657594+001	1.1513030+003
13	2,11	8.4930485+000	7.2675798+000	1.1850773+002	2.3827985+003
13	3,11	9.2754758+000	1.0248766+001	1.5531561+002	3.1612802+003
13	3,10	1.3914385+001	7.1183194+000	1.2433992+002	2.9283526+003
13	4,10	1.7413052+001	1.5507525+001	3.0697472+002	7.4355325+003
13	4, 9	1.8891661+001	1.2488223+001	2.4497198+002	6.1118859+003
13	5, 9	2.6309647+001	2.3872853+001	6.4333936+002	1.9268933+004
13	5, 8	2.6508062+001	2.3154896+001	6.2116544+002	1.8616189+004
13	6, 8	3.6991291+001	3.5013402+001	1.2943858+003	5.0252931+004
13	6, 7	3.7004681+001	3.4948727+001	1.2915211+003	5.0137723+004
13	7, 7	4.9748718+001	4.8245307+001	2.3853476+003	1.2060552+005
13	7, 6	4.9749267+001	4.8242058+001	2.3851505+003	1.2059492+005
13	8, 6	6.4575087+001	6.3421555+001	4.0680430+003	2.6362144+005
13	8, 5	6.4575102+001	6.3421454+001	4.0680349+003	2.6362087+005
13	9, 5	8.1440647+001	8.0557421+001	6.5233015+003	5.3066563+005
13	9, 4	8.1440648+001	8.0557419+001	6.5233013+003	5.3066561+005
13	10, 4	1.0032816+002	9.9670615+001	9.9568919+003	9.9659173+005
13	10, 3	1.0032816+002	9.9670615+001	9.9568919+003	9.9659173+005
13	11, 3	1.2122805+002	1.2077116+002	1.4598767+004	1.7659394+006
13	11, 2	1.2122805+002	1.2077116+002	1.4598767+004	1.7659394+006
13	12, 2	1.4413470+002	1.4386485+002	2.0703047+004	2.9798911+006
13	12, 1	1.4413470+002	1.4386485+002	2.0703047+004	2.9798911+006
13	13, 1	1.6904459+002	1.6895527+002	2.8548032+004	4.8239634+006
13	13, 0	1.6904459+002	1.6895527+002	2.8548032+004	4.8239634+006
14	0,14	−1.1277506+001	2.5364918+000	1.9889425+001	2.6303931+002
14	1,14	−1.1276593+001	2.5421721+000	1.9806220+001	2.6520483+002
14	1,13	−4.9412976−001	6.8719731+000	8.4014348+001	1.4421613+003
14	2,13	−4.5882964−001	7.0640263+000	8.3984819+001	1.4774261+003
14	2,12	8.5167833+000	8.6821122+000	1.5539682+002	3.4017943+003
14	3,12	9.0187463+000	1.0865449+001	1.8183259+002	4.0581589+003

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.700000 —*CONTINUED*				
14 3,11	1.4870508+001	7.8949277+000	1.6052032+002	4.2109806+003
14 4,11	1.7642133+001	1.5739595+001	3.3437525+002	8.8878662+003
14 4,10	1.9911547+001	1.1739740+001	2.4997794+002	6.9847605+003
14 5,10	2.6665566+001	2.3685095+001	6.5986791+002	2.1023965+004
14 5, 9	2.7056749+001	2.2335332+001	6.1755086+002	1.9725688+004
14 6, 9	3.7293837+001	3.4727698+001	1.3023304+003	5.2255237+004
14 6, 8	3.7326263+001	3.4573342+001	1.2954557+003	5.1973005+004
14 7, 8	4.9984855+001	4.8006023+001	2.3889729+003	1.2284558+005
14 7, 7	4.9986473+001	4.7996515+001	2.3883951+003	1.2281417+005
14 8, 7	6.4765386+001	6.3229063+001	4.0677670+003	2.6589147+005
14 8, 6	6.4765439+001	6.3228696+001	4.0677377+003	2.6588940+005
14 9, 6	8.1599977+001	8.0396954+001	6.5185040+003	5.3258901+005
14 9, 5	8.1599978+001	8.0396944+001	6.5185030+003	5.3258893+005
14 10, 5	1.0046562+002	9.9532466+001	9.9469244+003	9.9764472+005
14 10, 4	1.0046562+002	9.9532466+001	9.9469243+003	9.9764472+005
14 11, 4	1.2134947+002	1.2064925+002	1.4583023+004	1.7654398+006
14 11, 3	1.2134947+002	1.2064925+002	1.4583023+004	1.7654398+006
14 12, 3	1.4424398+002	1.4375518+002	2.0680942+004	2.9769813+006
14 12, 2	1.4424398+002	1.4375518+002	2.0680942+004	2.9769813+006
14 13, 2	1.6914446+002	1.6885506+002	2.8518993+004	4.8175932+006
14 13, 1	1.6914446+002	1.6885506+002	2.8518993+004	4.8175932+006
14 14, 1	1.9604787+002	1.9595197+002	3.8399676+004	7.5253420+006
14 14, 0	1.9604787+002	1.9595197+002	3.8399676+004	7.5253420+006
15 0,15	−1.3290208+001	2.7329875+000	2.2985540+001	3.2687698+002
15 1,15	−1.3289759+001	2.7359695+000	2.2933422+001	3.2843353+002
15 1,14	−1.6524352+000	7.5137204+000	9.8758910+001	1.8342302+003
15 2,14	−1.6334175+000	7.6256032+000	9.8553254+001	1.8616768+003
15 2,13	8.3293345+000	1.0080099+001	1.9537143+002	4.6370728+003
15 3,13	8.6383635+000	1.1585642+001	2.1288290+002	5.1582753+003
15 3,12	1.5741293+001	9.1382046+000	2.1226102+002	6.1078046+003
15 4,12	1.7833635+001	1.6126671+001	3.7020345+002	1.0763378+004
15 4,11	2.1088262+001	1.1279597+001	2.6571641+002	8.3089820+003
15 5,11	2.7061579+001	2.3558736+001	6.8402104+002	2.3338234+004
15 5,10	2.7776431+001	2.1253809+001	6.1036640+002	2.0968366+004
15 6,10	3.7654369+001	3.4406906+001	1.3145283+003	5.4886175+004
15 6, 9	3.7727026+001	3.4067683+001	1.2993065+003	5.4245028+004
15 7, 9	5.0268543+001	4.7719028+001	2.3955059+003	1.2585734+005
15 7, 8	5.0272892+001	4.7693679+001	2.3939607+003	1.2577222+005
15 8, 8	6.4992576+001	6.2998407+001	4.0701235+003	2.6913191+005
15 8, 7	6.4992748+001	6.2997222+001	4.0700287+003	2.6912519+005
15 9, 7	8.1788836+001	8.0206315+001	6.5161140+003	5.3568804+005
15 9, 6	8.1788840+001	8.0206278+001	6.5161102+003	5.3568771+005
15 10, 6	1.0062748+002	9.9369608+001	9.9390552+003	1.0000663+006
15 10, 5	1.0062748+002	9.9369607+001	9.9390551+003	1.0000663+006
15 11, 5	1.2149155+002	1.2050652+002	1.4568999+004	1.7664781+006
15 11, 4	1.2149155+002	1.2050652+002	1.4568999+004	1.7664781+006
15 12, 4	1.4437111+002	1.4362756+002	2.0660123+004	2.9757428+006
15 12, 3	1.4437111+002	1.4362756+002	2.0660123+004	2.9757428+006
15 13, 3	1.6926000+002	1.6873911+002	2.8490758+004	4.8129787+006
15 13, 2	1.6926000+002	1.6873911+002	2.8490758+004	4.8129787+006
15 14, 2	1.9615424+002	1.9584524+002	3.8363414+004	7.5160277+006
15 14, 1	1.9615424+002	1.9584524+002	3.8363414+004	7.5160277+006
15 15, 1	2.2505115+002	2.2494868+002	5.0604786+004	1.1384613+007
15 15, 0	2.2505115+002	2.2494868+002	5.0604786+004	1.1384613+007
KAPPA = −0.800000				
2 0, 2	−8.2930556−003	8.2588102−003	3.3035241−002	1.3214096−001
2 1, 2	8.4210526−001	1.0000000+000	1.0000000+000	1.0000000+000
2 1, 1	1.1578947+000	1.0000000+000	1.0000000+000	1.0000000+000
2 2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2 2, 0	4.0082931+000	3.9917412+000	1.5966965+001	6.3867859+001

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

3	0, 3	−4.1128361−002	4.0299632−002	1.6119853−001	6.4479411−001
3	1, 3	6.7921686−001	1.0047983+000	1.0479827+000	1.4366430+000
3	1, 2	1.3103859+000	1.0056177+000	1.0561772+000	1.5112123+000
3	2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3	2, 1	4.0411284+000	3.9597004+000	1.5838801+001	6.3355206+001
3	3, 1	9.0049937+000	8.9952017+000	8.0952017+001	7.2856336+002
3	3, 0	9.0054036+000	8.9943823+000	8.0943823+001	7.2848879+002
4	0, 4	−1.2113124−001	1.1447901−001	4.5955404−001	1.8644238+000
4	1, 4	4.5326527−001	1.0190672+000	1.1906718+000	2.7351137+000
4	1, 3	1.5030377+000	1.0247632+000	1.2476317+000	3.2534487+000
4	2, 3	3.9935400+000	4.0064531+000	1.6129062+001	6.6168242+001
4	2, 2	4.1146544+000	3.8920245+000	1.5670449+001	6.4319408+001
4	3, 2	9.0204189+000	8.9809328+000	8.0809328+001	7.2726489+002
4	3, 1	9.0232781+000	8.9752368+000	8.0752368+001	7.2674655+002
4	4, 1	1.6006460+001	1.5993547+001	2.5587094+002	4.0938318+003
4	4, 0	1.6006477+001	1.5993496+001	2.5587000+002	4.0938162+003
5	0, 5	−2.7342506−001	2.4259152−001	9.8346142−001	4.1433714+000
5	1, 5	1.5786503−001	1.0474191+000	1.4746502+000	5.3312174+000
5	1, 4	1.7254536+000	1.0698893+000	1.6996644+000	7.3869262+000
5	2, 4	3.9751208+000	4.0247764+000	1.6495529+001	7.2324881+001
5	2, 3	4.2483951+000	3.7826368+000	1.5520499+001	6.8321226+001
5	3, 3	9.0448651+000	8.9603875+000	8.0790703+001	7.3193425+002
5	3, 2	9.0562232+000	8.9379198+000	8.0565764+001	7.2988051+002
5	4, 2	1.6024879+001	1.5975224+001	2.5550447+002	4.0876751+003
5	4, 1	1.6025030+001	1.5974772+001	2.5549604+002	4.0875354+003
5	5, 1	2.5007796+001	2.4992193+001	6.2473465+002	1.5617735+004
5	5, 0	2.5007797+001	2.4992191+001	6.2473457+002	1.5617733+004
6	0, 6	−5.2000386−001	4.2089195−001	1.7384118+000	7.8320528+000
6	1, 6	−2.1370979−001	1.0934474+000	1.9376916+000	9.6163379+000
6	1, 5	1.9631471+000	1.1592158+000	2.5987229+000	1.5718413+001
6	2, 5	3.9379644+000	4.0614588+000	1.7229758+001	8.4682779+001
6	2, 4	4.4572172+000	3.6428112+000	1.5533236+001	7.7545984+001
6	3, 4	9.0798603+000	8.9351752+000	8.1034936+001	7.4701238+002
6	3, 3	9.1135229+000	8.8694341+000	8.0374724+001	7.4093189+002
6	4, 3	1.6052888+001	1.5947702+001	2.5524647+002	4.0948042+003
6	4, 2	1.6053639+001	1.5945458+001	2.5520459+002	4.0941091+003
6	5, 2	2.5028586+001	2.4971377+001	6.2402737+002	1.5598371+004
6	5, 1	2.5028593+001	2.4971350+001	6.2402655+002	1.5598350+004
6	6, 1	3.6009148+001	3.5990839+001	1.2955238+003	4.6636513+004
6	6, 0	3.6009148+001	3.5990839+001	1.2955238+003	4.6636513+004
7	0, 7	−8.7532159−001	6.3132827−001	2.6848161+000	1.3300411+001
7	1, 7	−6.6794572−001	1.1590523+000	2.6031822+000	1.5916993+001
7	1, 6	2.1968810+000	1.3168837+000	4.2007567+000	3.0954037+001
7	2, 6	3.8741462+000	4.1236775+000	1.8477686+001	1.0578726+002
7	2, 5	4.7467314+000	3.5004914+000	1.5945000+001	9.5022662+001
7	3, 5	9.1256551+000	8.9096280+000	8.1730245+001	7.7799598+002
7	3, 4	9.2081559+000	8.7519597+000	8.0137563+001	7.6308802+002
7	4, 4	1.6093419+001	1.5908806+001	2.5521053+002	4.1232856+003
7	4, 3	1.6096155+001	1.5900665+001	2.5505846+002	4.1207522+003
7	5, 3	2.5058096+001	2.4941845+001	6.2344527+002	1.5605815+004
7	5, 2	2.5058137+001	2.4941682+001	6.2344037+002	1.5605686+004
7	6, 2	3.6032435+001	3.5967517+001	1.2943118+003	4.6586927+004
7	6, 1	3.6032435+001	3.5967515+001	1.2943117+003	4.6586925+004
7	7, 1	4.9010511+001	4.8989475+001	2.4002213+003	1.1760427+005
7	7, 0	4.9010511+001	4.8989474+001	2.4002213+003	1.1760427+005
8	0, 8	−1.3457239+000	8.5260257−001	3.7742572+000	2.0965663+001
8	1, 8	−1.2106334+000	1.2442371+000	3.4790085+000	2.4509407+001
8	1, 7	2.4026404+000	1.5698906+000	6.8136167+000	5.6880447+001
8	2, 7	3.7748130+000	4.2187034+000	2.0391003+001	1.3843291+002
8	2, 6	5.1124059+000	3.3901354+000	1.7066852+001	1.2502987+002
8	3, 6	9.1807726+000	8.8909669+000	8.3114737+001	8.3146644+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.800000 —*CONTINUED*					
8	3, 5	9.3567962+000	8.5660160+000	7.9801199+001	7.9965251+002
8	4, 5	1.6149500+001	1.5857109+001	2.5554809+002	4.1827639+003
8	4, 4	1.6157629+001	1.5833084+001	2.5509841+002	4.1752178+003
8	5, 4	2.5098740+001	2.4901234+001	6.2310134+002	1.5653812+004
8	5, 3	2.5098916+001	2.4900531+001	6.2308027+002	1.5653255+004
8	6, 3	3.6063807+001	3.5936085+001	1.2932503+003	4.6586330+004
8	6, 2	3.6063809+001	3.5936075+001	1.2932499+003	4.6586313+004
8	7, 2	4.9036384+001	4.8963562+001	2.3983049+003	1.1749421+005
8	7, 1	4.9036384+001	4.8963562+001	2.3983049+003	1.1749421+005
8	8, 1	6.4011880+001	6.3988103+001	4.0948106+003	2.6205247+005
8	8, 0	6.4011880+001	6.3988103+001	4.0948106+003	2.6205247+005
9	0, 9	−1.9319825+000	1.0697202+000	4.9785265+000	3.1276616+001
9	1, 9	−1.8465951+000	1.3473794+000	4.5604945+000	3.5654049+001
9	1, 8	2.5530403+000	1.9395776+000	1.0729531+001	9.8219882+001
9	2, 8	3.6304931+000	4.3531159+000	2.3114344+001	1.8556245+002
9	2, 7	5.5416253+000	3.3444264+000	1.9283318+001	1.7381235+002
9	3, 7	9.2417573+000	8.8889361+000	8.5471537+001	9.1510999+002
9	3, 6	9.5783507+000	8.2991741+000	7.9375628+001	8.5448549+002
9	4, 6	1.6223937+001	1.5792726+001	2.5646201+002	4.2846624+003
9	4, 5	1.6244778+001	1.5731744+001	2.5531665+002	4.2652184+003
9	5, 5	2.5153248+001	2.4846985+001	6.2312777+002	1.5758039+004
9	5, 4	2.5153862+001	2.4844549+001	6.2305467+002	1.5756100+004
9	6, 4	3.6105176+001	3.5894610+001	1.2924671+003	4.6656889+004
9	6, 3	3.6105186+001	3.5894561+001	1.2924649+003	4.6656806+004
9	7, 3	4.9069915+001	4.8929972+001	2.3965652+003	1.1746677+005
9	7, 2	4.9069915+001	4.8929972+001	2.3965652+003	1.1746676+005
9	8, 2	6.4040393+001	6.3959548+001	4.0919566+003	2.6183289+005
9	8, 1	6.4040393+001	6.3959548+001	4.0919566+003	2.6183289+005
9	9, 1	8.1013254+001	8.0986728+001	6.5592750+003	5.3126943+005
9	9, 0	8.1013254+001	8.0986728+001	6.5592750+003	5.3126943+005
10	0,10	−2.6323229+000	1.2759660+000	6.2931115+000	4.4670853+001
10	1,10	−2.5796026+000	1.4658050+000	5.8355186+000	4.9629657+001
10	1, 9	2.6207104+000	2.4292171+000	1.6112009+001	1.5992430+002
10	2, 9	3.4314902+000	4.5319384+000	2.6771225+001	2.5016039+002
10	2, 8	6.0160970+000	3.3936612+000	2.3082861+001	2.5064120+002
10	3, 8	9.3031386+000	8.9150334+000	8.9119320+001	1.0377326+003
10	3, 7	9.8904748+000	7.9588370+000	7.9059764+001	9.3323367+002
10	4, 7	1.6318918+001	1.5718187+001	2.5822149+002	4.4424477+003
10	4, 6	1.6366595+001	1.5580692+001	2.5562526+002	4.3976252+003
10	5, 6	2.5224618+001	2.4776547+001	6.2368101+002	1.5936181+004
10	5, 5	2.5226442+001	2.4769334+001	6.2346425+002	1.5930395+004
10	6, 5	3.6158703+001	3.5840902+001	1.2921042+003	4.6823342+004
10	6, 4	3.6158742+001	3.5840708+001	1.2920956+003	4.6823013+004
10	7, 4	4.9112670+001	4.8887118+001	2.3951473+003	1.1755558+005
10	7, 3	4.9112670+001	4.8887115+001	2.3951472+003	1.1755557+005
10	8, 3	6.4076258+001	6.3923624+001	4.0893054+003	2.6174424+005
10	8, 2	6.4076258+001	6.3923624+001	4.0893054+003	2.6174424+005
10	9, 2	8.1044440+001	8.0955497+001	6.5552168+003	5.3086588+005
10	9, 1	8.1044440+001	8.0955497+001	6.5552168+003	5.3086588+005
10	10, 1	1.0001463+002	9.9985349+001	9.9975978+003	9.9969981+005
10	10, 0	1.0001463+002	9.9985349+001	9.9975978+003	9.9969981+005
11	0,11	−3.4444016+000	1.4703122+000	7.7269783+000	6.1545298+001
11	1,11	−3.4124463+000	1.5964257+000	7.2896289+000	6.6752495+001
11	1,10	2.5828982+000	3.0165014+000	2.2908098+001	2.4612101+002
11	2,10	3.1683240+000	4.7578850+000	3.1451702+001	3.3516068+002
11	2, 9	6.5131689+000	3.5690001+000	2.9096000+001	3.6910294+002
11	3, 9	9.3575862+000	8.9815301+000	9.4399067+001	1.2092562+003
11	3, 8	1.0304800+001	7.5803670+000	7.9350619+001	1.0452581+003
11	4, 8	1.6435569+001	1.5639181+001	2.6117524+002	4.6719420+003
11	4, 7	1.6534994+001	1.5358407+001	2.5583272+002	4.5775688+003
11	5, 7	2.5316020+001	2.4687732+001	6.2495104+002	1.6208115+004
11	5, 6	2.5320828+001	2.4668833+001	6.2438181+002	1.6192787+004

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

11	6, 6	3.6226795+001	3.5772523+001	1.2923180+003	4.7112931+004
11	6, 5	3.6226927+001	3.5771870+001	1.2922892+003	4.7111818+004
11	7, 5	4.9166398+001	4.8833216+001	2.3942105+003	1.1779778+005
11	7, 4	4.9166401+001	4.8833203+001	2.3942097+003	1.1779773+005
11	8, 4	6.4120801+001	6.3878990+001	4.0870194+003	2.6183510+005
11	8, 3	6.4120801+001	6.3878990+001	4.0870194+003	2.6183510+005
11	9, 3	8.1082749+001	8.0917126+001	6.5513874+003	5.3065996+005
11	9, 2	8.1082749+001	8.0917126+001	6.5513874+003	5.3065996+005
11	10, 2	1.0004851+002	9.9951420+001	9.9920357+003	9.9900487+005
11	10, 1	1.0004851+002	9.9951420+001	9.9920357+003	9.9900487+005
11	11, 1	1.2101601+002	1.2098397+002	1.4637762+004	1.7710641+006
11	11, 0	1.2101601+002	1.2098397+002	1.4637762+004	1.7710641+006
12	0,12	−4.3661755+000	1.6543896+000	9.2925837+000	8.2253013+001
12	1,12	−4.3470915+000	1.7362514+000	8.9097051+000	8.7377952+001
12	1,11	2.4249864+000	3.6603499+000	3.0878083+001	3.5948087+002
12	2,11	2.8321607+000	5.0309346+000	3.7205073+001	4.4338643+002
12	2,10	7.0062864+000	3.9037036+000	3.8096975+001	5.4819304+002
12	3,10	9.3962094+000	9.1004281+000	1.0165732+002	1.4406645+003
12	3, 9	1.0823148+001	7.2212223+000	8.1046985+001	1.2056480+003
12	4, 9	1.6573524+001	1.5564955+001	2.6575899+002	4.9916593+003
12	4, 8	1.6765183+001	1.5039735+001	2.5565991+002	4.8079271+003
12	5, 8	2.5430655+001	2.4579256+001	6.2717611+002	1.6596258+004
12	5, 7	2.5442157+001	2.4534413+001	6.2582105+002	1.6559331+004
12	6, 7	3.6312105+001	3.5686831+001	1.2932799+003	4.7555345+004
12	6, 6	3.6312496+001	3.5684894+001	1.2931945+003	4.7552022+004
12	7, 6	4.9233034+001	4.8766279+001	2.3939271+003	1.1823382+005
12	7, 5	4.9233043+001	4.8766230+001	2.3939242+003	1.1823366+005
12	8, 5	6.4175484+001	6.3824161+001	4.0852757+003	2.6215860+005
12	8, 4	6.4175484+001	6.3824160+001	4.0852757+003	2.6215859+005
12	9, 4	8.1129330+001	8.0870459+001	6.5479664+003	5.3071907+005
12	9, 3	8.1129330+001	8.0870459+001	6.5479664+003	5.3071907+005
12	10, 3	1.0008934+002	9.9910530+001	9.9867283+003	9.9859672+005
12	10, 2	1.0008934+002	9.9910530+001	9.9867283+003	9.9859672+005
12	11, 2	1.2105260+002	1.2094733+002	1.4630363+004	1.7699288+006
12	11, 1	1.2105260+002	1.2094733+002	1.4630363+004	1.7699288+006
12	12, 1	1.4401739+002	1.4398259+002	2.0731752+004	2.9851983+006
12	12, 0	1.4401739+002	1.4398259+002	2.0731752+004	2.9851983+006
13	0,13	−5.3961242+000	1.8305633+000	1.1000548+001	1.0711643+002
13	1,13	−5.3848648+000	1.8827010+000	1.0685774+001	1.1189002+002
13	1,12	2.1409188+000	4.3184365+000	3.9731472+001	5.0151713+002
13	2,12	2.4151662+000	5.3483810+000	4.4039820+001	5.7753112+002
13	2,11	7.4655897+000	4.4282879+000	5.0914650+001	8.1221926+002
13	3,11	9.4089564+000	9.2824279+000	1.1122590+002	1.7438596+003
13	3,10	1.1436719+001	6.9447278+000	8.5161085+001	1.4370008+003
13	4,10	1.6730584+001	1.5508172+001	2.7249397+002	5.4231338+003
13	4, 9	1.7075233+001	1.4602889+001	2.5484755+002	5.0903141+003
13	5, 9	2.5571533+001	2.4451478+001	6.3066322+002	1.7126126+004
13	5, 8	2.5596907+001	2.4353606+001	6.2769224+002	1.7043885+004
13	6, 8	3.6417517+001	3.5581072+001	1.2951793+003	4.8182749+004
13	6, 7	3.6418568+001	3.5575888+001	1.2949506+003	4.8173782+004
13	7, 7	4.9314701+001	4.8684100+001	2.3944816+003	1.1890739+005
13	7, 6	4.9314728+001	4.8683937+001	2.3944718+003	1.1890686+005
13	8, 6	6.4241910+001	6.3757495+001	4.0842651+003	2.6277227+005
13	8, 5	6.4241910+001	6.3757492+001	4.0842649+003	2.6277225+005
13	9, 5	8.1185437+001	8.0814223+001	6.5451485+003	5.3111636+005
13	9, 4	8.1185437+001	8.0814222+001	6.5451485+003	5.3111636+005
13	10, 4	1.0013812+002	9.9861660+001	9.9818722+003	9.9856591+005
13	10, 3	1.0013812+002	9.9861660+001	9.9818722+003	9.9856591+005
13	11, 3	1.2109600+002	1.2090386+002	1.4623245+004	1.7691964+006
13	11, 2	1.2109600+002	1.2090386+002	1.4623245+004	1.7691964+006
13	12, 2	1.4405670+002	1.4394322+002	2.0722150+004	2.9834224+006

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.800000 —*CONTINUED*

13 12, 1	1.4405670+002	1.4394322+002	2.0722150+004	2.9834224+006
13 13, 1	1.6901877+002	1.6898121+002	2.8555550+004	4.8256130+006
13 13, 0	1.6901877+002	1.6898121+002	2.8555550+004	4.8256130+006
14 0,14	−6.5332045+000	2.0010394+000	1.2858037+001	1.3644447+002
14 1,14	−6.5266286+000	2.0337227+000	1.2611346+001	1.4068665+002
14 1,13	1.7308666+000	4.9612633+000	4.9252937+001	6.7338951+002
14 2,13	1.9107307+000	5.7053544+000	5.1930645+001	7.4017609+002
14 2,12	7.8597006+000	5.1584602+000	6.8215074+001	1.1881059+003
14 3,12	9.3850766+000	9.5359538+000	1.2339900+002	2.1314023+003
14 3,11	1.2127894+001	6.8075092+000	9.2852744+001	1.7715399+003
14 4,11	1.6902516+001	1.5484220+001	2.8197518+002	5.9911997+003
14 4,10	1.7484155+001	1.4042812+001	2.5339635+002	5.4291543+003
14 5,10	2.5741175+001	2.4307267+001	6.3581324+002	1.7827128+004
14 5, 9	2.5793412+001	2.4108656+001	6.2974732+002	1.7655862+004
14 6, 9	3.6546114+001	3.5452570+001	1.2982302+003	4.9029932+004
14 6, 8	3.6548708+001	3.5439845+001	1.2976676+003	4.9007670+004
14 7, 8	4.9413717+001	4.8584252+001	2.3960690+003	1.1986517+005
14 7, 7	4.9413798+001	4.8583768+001	2.3960396+003	1.1986359+005
14 8, 7	6.4321824+001	6.3677185+001	4.0841907+003	2.6373787+005
14 8, 6	6.4321825+001	6.3677173+001	4.0841898+003	2.6373781+005
14 9, 6	8.1252434+001	8.0747026+001	6.5431424+003	5.3193064+005
14 9, 5	8.1252434+001	8.0747025+001	6.5431424+003	5.3193063+005
14 10, 5	1.0019596+002	9.9803700+001	9.9776795+003	9.9901012+005
14 10, 4	1.0019596+002	9.9803700+001	9.9776795+003	9.9901012+005
14 11, 4	1.2114710+002	1.2085268+002	1.4616620+004	1.7689853+006
14 11, 3	1.2114710+002	1.2085268+002	1.4616620+004	1.7689853+006
14 12, 3	1.4410270+002	1.4389715+002	2.0712853+004	2.9821974+006
14 12, 2	1.4410270+002	1.4389715+002	2.0712853+004	2.9821974+006
14 13, 2	1.6906081+002	1.6893910+002	2.8543345+004	4.8229346+006
14 13, 1	1.6906081+002	1.6893910+002	2.8543345+004	4.8229346+006
14 14, 1	1.9602015+002	1.9597982+002	3.8409140+004	7.5277733+006
14 14, 0	1.9602015+002	1.9597982+002	3.8409140+004	7.5277733+006
15 0,15	−7.7767333+000	2.1675724+000	1.4869019+001	1.7054622+002
15 1,15	−7.7729257+000	2.1877858+000	1.4682886+001	1.7416704+002
15 1,14	1.1981249+000	5.5751922+000	5.9341565+001	8.7649790+002
15 2,14	1.3135449+000	6.0956525+000	6.0830132+001	9.3382825+002
15 2,13	8.1591510+000	6.0807470+000	9.0211287+001	1.6996656+003
15 3,13	9.3136155+000	9.8663108+000	1.3841004+002	2.6161429+003
15 3,12	1.2872731+001	6.8576315+000	1.0544982+002	2.2541920+003
15 4,12	1.7083039+001	1.5510067+001	2.9484991+002	6.7241642+003
15 4,11	1.8008203+001	1.3386464+001	2.5189011+002	5.8395178+003
15 5,11	2.5941259+001	2.4152855+001	6.4314673+002	1.8733594+004
15 5,10	2.6042450+001	2.3775443+001	6.3152828+002	1.8397523+004
15 6,10	3.6701114+001	3.5299054+001	1.3026840+003	5.0134703+004
15 6, 9	3.6707072+001	3.5270029+001	1.3013967+003	5.0083183+004
15 7, 9	4.9532599+001	4.8464091+001	2.3988942+003	1.2115674+005
15 7, 8	4.9532821+001	4.8462776+001	2.3988143+003	1.2115244+005
15 8, 8	6.4417119+001	6.3581248+001	4.0852665+003	2.6512122+005
15 8, 7	6.4417124+001	6.3581209+001	4.0852634+003	2.6512101+005
15 9, 7	8.1331796+001	8.0667352+001	6.5421701+003	5.3324613+005
15 9, 6	8.1331796+001	8.0667351+001	6.5421700+003	5.3324612+005
15 10, 6	1.0026404+002	9.9735444+001	9.9743766+003	1.0000340+006
15 10, 5	1.0026404+002	9.9735444+001	9.9743766+003	1.0000340+006
15 11, 5	1.2120689+002	1.2079277+002	1.4610719+004	1.7694228+006
15 11, 4	1.2120689+002	1.2079277+002	1.4610719+004	1.7694228+006
15 12, 4	1.4415621+002	1.4384356+002	2.0704094+004	2.9816749+006
15 12, 3	1.4415621+002	1.4384356+002	2.0704094+004	2.9816749+006
15 13, 3	1.6910945+002	1.6889040+002	2.8531471+004	4.8209922+006
15 13, 2	1.6910945+002	1.6889040+002	2.8531471+004	4.8209922+006
15 14, 2	1.9606493+002	1.9593498+002	3.8393899+004	7.5238572+006
15 14, 1	1.9606493+002	1.9593498+002	3.8393899+004	7.5238572+006
15 15, 1	2.2502153+002	2.2497844+002	5.0616505+004	1.1388098+007
15 15, 0	2.2502153+002	2.2497844+002	5.0616505+004	1.1388098+007

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.900000

2	0, 2	−1.9714150−003	1.9694736−003	7.8778946−003	3.1511578−002
2	1, 2	9.2307692−001	1.0000000+000	1.0000000+000	1.0000000+000
2	1, 1	1.0769231+000	1.0000000+000	1.0000000+000	1.0000000+000
2	2, 1	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
2	2, 0	4.0019714+000	3.9980305+000	1.5992122+001	6.3968488+001
3	0, 3	−9.8377377−003	9.7895840−003	3.9158336−002	1.5663334−001
3	1, 3	8.4494454−001	1.0011861+000	1.0118613+000	1.1079382+000
3	1, 2	1.1525894+000	1.0012809+000	1.0128094+000	1.1165658+000
3	2, 2	4.0000000+000	4.0000000+000	1.6000000+001	6.4000000+001
3	2, 1	4.0098377+000	3.9902104+000	1.5960842+001	6.3843367+001
3	3, 1	9.0012093+000	8.9988139+000	8.0988139+001	7.2889206+002
3	3, 0	9.0012567+000	8.9987191+000	8.0987191+001	7.2888343+002
4	0, 4	−2.9378460−002	2.8969640−002	1.1597816−001	4.6550623−001
4	1, 4	7.3857607−001	1.0048521+000	1.0485208+000	1.4415393+000
4	1, 3	1.2510650+000	1.0055146+000	1.0551465+000	1.5018330+000
4	2, 3	3.9984661+000	4.0015335+000	1.6030670+001	6.4515253+001
4	2, 2	4.0278436+000	3.9725667+000	1.5914745+001	6.4050624+001
4	3, 2	9.0050137+000	8.9951479+000	8.0951479+001	7.2855846+002
4	3, 1	9.0053453+000	8.9944854+000	8.0944854+001	7.2849817+002
4	4, 1	1.6001534+001	1.5998467+001	2.5596933+002	4.0954847+003
4	4, 0	1.6001535+001	1.5998464+001	2.5596928+002	4.0954839+003
5	0, 5	−6.7954163−002	6.5863525−002	2.6432263−001	1.0711869+000
5	1, 5	6.0222998−001	1.0125156+000	1.1251861+000	2.1399664+000
5	1, 4	1.3701365+000	1.0151574+000	1.1516125+000	2.3806719+000
5	2, 4	3.9940858+000	4.0059084+000	1.6118168+001	6.5985229+001
5	2, 3	4.0620314+000	3.9400704+000	1.5854322+001	6.4921934+001
5	3, 3	9.0113052+000	8.9893344+000	8.0937711+001	7.2958227+002
5	3, 2	9.0126294+000	8.9866927+000	8.0911287+001	7.2934162+002
5	4, 2	1.6005914+001	1.5994092+001	2.5588183+002	4.0940148+003
5	4, 1	1.6005923+001	1.5994066+001	2.5588136+002	4.0940069+003
5	5, 1	2.5001849+001	2.4998150+001	6.2493710+002	1.5623278+004
5	5, 0	2.5001849+001	2.4998150+001	6.2493710+002	1.5623278+004
6	0, 6	−1.3394989−001	1.2620695−001	5.0894922−001	2.1017558+000
6	1, 6	4.3389364−001	1.0257619+000	1.2578413+000	3.3521096+000
6	1, 5	1.5068550+000	1.0336432+000	1.3367489+000	4.0726311+000
6	2, 5	3.9852236+000	4.0147434+000	1.6294901+001	6.8955645+001
6	2, 4	4.1191310+000	3.8886638+000	1.5788329+001	6.6893300+001
6	3, 4	9.0208635+000	8.9810217+000	8.0972770+001	7.3296233+002
6	3, 3	9.0248251+000	8.9731412+000	8.0893885+001	7.3224240+002
6	4, 3	1.6012606+001	1.5987427+001	2.5581797+002	4.0956633+003
6	4, 2	1.6012649+001	1.5987300+001	2.5581559+002	4.0956238+003
6	5, 2	2.5006781+001	2.4993216+001	6.2476939+002	1.5618686+004
6	5, 1	2.5006781+001	2.4993216+001	6.2476937+002	1.5618685+004
6	6, 1	3.6002170+001	3.5997829+001	1.2958871+003	4.6651381+004
6	6, 0	3.6002170+001	3.5997829+001	1.2958871+003	4.6651381+004
7	0, 7	−2.3592008−001	2.1323296−001	8.6691254−001	3.6915380+000
7	1, 7	2.3137973−001	1.0460776+000	1.4617139+000	5.2258842+000
7	1, 6	1.6574166+000	1.0656050+000	1.6575526+000	7.0226582+000
7	2, 6	3.9699296+000	4.0299443+000	1.6599125+001	7.4074689+001
7	2, 5	4.2056941+000	3.8171772+000	1.5740910+001	7.0527482+001
7	3, 5	9.0343961+000	8.9702037+000	8.1091745+001	7.3993007+002
7	3, 4	9.0442556+000	8.9506808+000	8.0896041+001	7.3813686+002
7	4, 4	1.6022377+001	1.5977752+001	2.5580104+002	4.1023005+003
7	4, 3	1.6022532+001	1.5977286+001	2.5579234+002	4.1021562+003
7	5, 3	2.5013782+001	2.4986213+001	6.2463110+002	1.5620446+004
7	5, 2	2.5013783+001	2.4986208+001	6.2463096+002	1.5620442+004
7	6, 2	3.6007694+001	3.5992304+001	1.2955998+003	4.6639625+004
7	6, 1	3.6007694+001	3.5992304+001	1.2955998+003	4.6639625+004
7	7, 1	4.9002493+001	4.8997506+001	2.4008154+003	1.1763840+005
7	7, 0	4.9002493+001	4.8997506+001	2.4008154+003	1.1763840+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

8	0, 8	−3.8159098−001	3.2622449−001	1.3426187+000	5.9752330+000
8	1, 8	−7.5726995−003	1.0746977+000	1.7499125+000	7.9002554+000
8	1, 7	1.8170323+000	1.1170756+000	2.1761068+000	1.1841231+001
8	2, 7	3.9459524+000	4.0536646+000	1.7074291+001	8.2087264+001
8	2, 6	4.3270776+000	3.7288324+000	1.5757682+001	7.6544470+001
8	3, 6	9.0524374+000	8.9573725+000	8.1340257+001	7.5196145+002
8	3, 5	9.0739813+000	8.9150142+000	8.0914646+001	7.4803587+002
8	4, 5	1.6036095+001	1.5964295+001	2.5585943+002	4.1161232+003
8	4, 4	1.6036561+001	1.5962903+001	2.5583342+002	4.1156909+003
8	5, 4	2.5023428+001	2.4976563+001	6.2454865+002	1.5631834+004
8	5, 3	2.5023433+001	2.4976544+001	6.2454807+002	1.5631819+004
8	6, 3	3.6015134+001	3.5984860+001	1.2953482+003	4.6639484+004
8	6, 2	3.6015134+001	3.5984859+001	1.2953482+003	4.6639483+004
8	7, 2	4.9008631+001	4.8991366+001	2.4003612+003	1.1761230+005
8	7, 1	4.9008631+001	4.8991366+001	2.4003612+003	1.1761230+005
8	8, 1	6.4002818+001	6.3997181+001	4.0957181+003	2.6212231+005
8	8, 0	6.4002818+001	6.3997181+001	4.0957181+003	2.6212231+005
9	0, 9	−5.7702922−001	4.6047750−001	1.9276484+000	9.0877044+000
9	1, 9	−2.8520077−001	1.1124870+000	2.1324307+000	1.1501108+001
9	1, 8	1.9798085+000	1.1955670+000	2.9715180+000	1.9351673+001
9	2, 8	3.9107601+000	4.0882448+000	1.7768048+001	9.3826782+001
9	2, 7	4.4865823+000	3.6313682+000	1.5907729+001	8.5861936+001
9	3, 7	9.0752510+000	8.9436360+000	8.1775464+001	7.7078719+002
9	3, 6	9.1179171+000	8.8606239+000	8.0938415+001	7.6299044+002
9	4, 6	1.6054715+001	1.5946296+001	2.5602766+002	4.1396688+003
9	4, 5	1.6055922+001	1.5942696+001	2.5596036+002	4.1385470+003
9	5, 5	2.5036376+001	2.4963612+001	6.2455225+002	1.5656588+004
9	5, 4	2.5036393+001	2.4963544+001	6.2455021+002	1.5656534+004
9	6, 4	3.6024943+001	3.5975044+001	1.2951627+003	4.6656260+004
9	6, 3	3.6024943+001	3.5975044+001	1.2951627+003	4.6656259+004
9	7, 3	4.9016584+001	4.8983410+001	2.3999487+003	1.1760579+005
9	7, 2	4.9016584+001	4.8983410+001	2.3999487+003	1.1760579+005
9	8, 2	6.4009582+001	6.3990415+001	4.0950416+003	2.6207024+005
9	8, 1	6.4009582+001	6.3990415+001	4.0950416+003	2.6207024+005
9	9, 1	8.1003144+001	8.0996855+001	6.5605912+003	5.3140033+005
9	9, 0	8.1003144+001	8.0996855+001	6.5605912+003	5.3140033+005
10	0,10	−8.2625988−001	6.0883588−001	2.6057752+000	1.3167791+001
10	1,10	−6.0363228−001	1.1598735+000	2.6156482+000	1.6141178+001
10	1, 9	2.1386776+000	1.3098580+000	4.1396458+000	3.0636388+001
10	2, 9	3.8615708+000	4.1361279+000	1.8730862+001	1.1020419+002
10	2, 8	4.6850268+000	3.5356324+000	1.6281259+001	9.9652821+001
10	3, 8	9.1027455+000	8.9307797+000	8.2466521+001	7.9840149+002
10	3, 7	9.1808975+000	8.7809984+000	8.0948622+001	7.8406758+002
10	4, 7	1.6079241+001	1.5923094+001	2.5634785+002	4.1758364+003
10	4, 6	1.6082044+001	1.5914756+001	2.5619179+002	4.1732244+003
10	5, 6	2.5053366+001	2.4946626+001	6.2467591+002	1.5698904+004
10	5, 5	2.5053417+001	2.4946423+001	6.2466982+002	1.5698743+004
10	6, 5	3.6037629+001	3.5962346+001	1.2950777+003	4.6695906+004
10	6, 4	3.6037630+001	3.5962343+001	1.2950776+003	4.6695902+004
10	7, 4	4.9026722+001	4.8973266+001	2.3996127+003	1.1762689+005
10	7, 3	4.9026722+001	4.8973266+001	2.3996127+003	1.1762689+005
10	8, 3	6.4018089+001	6.3981905+001	4.0944129+003	2.6204920+005
10	8, 2	6.4018089+001	6.3981905+001	4.0944129+003	2.6204920+005
10	9, 2	8.1010542+001	8.0989455+001	6.5596292+003	5.3130466+005
10	9, 1	8.1010542+001	8.0989455+001	6.5596292+003	5.3130466+005
10	10, 1	1.0000347+002	9.9996528+001	9.9994307+003	9.9992885+005
10	10, 0	1.0000347+002	9.9996528+001	9.9994307+003	9.9992885+005
11	0,11	−1.1313959+000	7.6388074−001	3.3600029+000	1.8361197+001
11	1,11	−9.6481840−001	1.2168406+000	3.2023588+000	2.1923310+001
11	1,10	2.2854406+000	1.4692605+000	5.7884190+000	4.7064115+001
11	2,10	3.7953933+000	4.1997495+000	2.0014233+001	1.3219423+002
11	2, 9	4.9208159+000	3.4535650+000	1.6986269+001	1.1943141+002

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

11 3, 9	9.1344086+000	8.9212663+000	8.3494420+001	8.3706943+002
11 3, 8	9.2686295+000	8.6693860+000	8.0924567+001	8.1235825+002
11 4, 8	1.6110688+001	1.5894233+001	2.5687161+002	4.2279156+003
11 4, 7	1.6116660+001	1.5876546+001	2.5653997+002	4.2223323+003
11 5, 7	2.5075217+001	2.4924808+001	6.2495773+002	1.5763441+004
11 5, 6	2.5075353+001	2.4924268+001	6.2494153+002	1.5763011+004
11 6, 6	3.6053759+001	3.5946193+001	1.2951309+003	4.6765018+004
11 6, 5	3.6053760+001	3.5946184+001	1.2951305+003	4.6765003+004
11 7, 5	4.9039459+001	4.8960520+001	2.3993916+003	1.1768454+005
11 7, 4	4.9039459+001	4.8960519+001	2.3993915+003	1.1768454+005
11 8, 4	6.4028652+001	6.3971336+001	4.0938709+003	2.6207078+005
11 8, 3	6.4028652+001	6.3971336+001	4.0938709+003	2.6207078+005
11 9, 3	8.1019629+001	8.0980364+001	6.5587212+003	5.3125579+005
11 9, 2	8.1019629+001	8.0980364+001	6.5587212+003	5.3125579+005
11 10, 2	1.0001151+002	9.9988489+001	9.9981123+003	9.9976409+005
11 10, 1	1.0001151+002	9.9988489+001	9.9981123+003	9.9976409+005
11 11, 1	1.2100380+002	1.2099620+002	1.4640233+004	1.7714432+006
11 11, 0	1.2100380+002	1.2099620+002	1.4640233+004	1.7714432+006
12 0,12	−1.4931040+000	9.1961007−001	4.1777462+000	2.4819096+001
12 1,12	−1.3704887+000	1.2829731+000	3.8922486+000	2.8945641+001
12 1,11	2.4109937+000	1.6821810+000	8.0265364+000	7.0270523+001
12 2,11	3.7090783+000	4.2814077+000	2.1668576+001	1.6081922+002
12 2,10	5.1903269+000	3.3967314+000	1.8148146+001	1.4717791+002
12 3,10	9.1692655+000	8.9181732+000	8.4951216+001	8.8933354+002
12 3, 9	9.3874554+000	8.5202691+000	8.0856120+001	8.4905078+002
12 4, 9	1.6150031+001	1.5859602+001	2.5766234+002	4.2996233+003
12 4, 8	1.6161881+001	1.5824695+001	2.5700620+002	4.2884906+003
12 5, 8	2.5102823+001	2.4897310+001	6.2544022+002	1.5855320+004
12 5, 7	2.5103150+001	2.4896006+001	6.2540105+002	1.5854279+004
12 6, 7	3.6073956+001	3.5925954+001	1.2953638+003	4.6870827+004
12 6, 6	3.6073961+001	3.5925927+001	1.2953627+003	4.6870781+004
12 7, 6	4.9055247+001	4.8944714+001	2.3993274+003	1.1778851+005
12 7, 5	4.9055247+001	4.8944714+001	2.3993274+003	1.1778851+005
12 8, 5	6.4041618+001	6.3958362+001	4.0934581+003	2.6214771+005
12 8, 4	6.4041618+001	6.3958362+001	4.0934581+003	2.6214771+005
12 9, 4	8.1030677+001	8.0969312+001	6.5579100+003	5.3126981+005
12 9, 3	8.1030677+001	8.0969312+001	6.5579100+003	5.3126981+005
12 10, 3	1.0002119+002	9.9978801+001	9.9968539+003	9.9966725+005
12 10, 2	1.0002119+002	9.9978801+001	9.9968539+003	9.9966725+005
12 11, 2	1.2101248+002	1.2098752+002	1.4638479+004	1.7711741+006
12 11, 1	1.2101248+002	1.2098752+002	1.4638479+004	1.7711741+006
12 12, 1	1.4400412+002	1.4399587+002	2.0734993+004	2.9857978+006
12 12, 0	1.4400412+002	1.4399587+002	2.0734993+004	2.9857978+006
13 0,13	−1.9111534+000	1.0720977+000	5.0525791+000	3.2693205+001
13 1,13	−1.8221285+000	1.3575432+000	4.6826689+000	3.7307081+001
13 1,12	2.5057970+000	1.9540428+000	1.0945234+001	1.0206435+002
13 2,12	3.5993801+000	4.3831206+000	2.3740896+001	1.9713142+002
13 2,11	5.4883604+000	3.3758999+000	1.9913614+001	1.8550605+002
13 3,11	9.2058631+000	8.9250795+000	8.6938690+001	9.5801999+002
13 3,10	9.5438699+000	8.3314943+000	8.0763829+001	8.9560447+002
13 4,10	1.6198141+001	1.5819569+001	2.5879768+002	4.3951494+003
13 4, 9	1.6220300+001	1.5754763+001	2.5757555+002	4.3742039+003
13 5, 9	2.5137145+001	2.4863262+001	6.2617105+002	1.5980144+004
13 5, 8	2.5137880+001	2.4860349+001	6.2608341+002	1.5977806+004
13 6, 8	3.6098903+001	3.5900936+001	1.2958212+003	4.7021189+004
13 6, 7	3.6098918+001	3.5900864+001	1.2958180+003	4.7021067+004
13 7, 7	4.9074582+001	4.8925348+001	2.3994660+003	1.1794947+005
13 7, 6	4.9074582+001	4.8925347+001	2.3994659+003	1.1794947+005
13 8, 6	6.4057362+001	6.3942605+001	4.0932208+003	2.6229386+005
13 8, 5	6.4057362+001	6.3942605+001	4.0932207+003	2.6229386+005
13 9, 5	8.1043981+001	8.0955999+001	6.5572421+003	5.3136422+005
13 9, 4	8.1043981+001	8.0955999+001	6.5572421+003	5.3136422+005
13 10, 4	1.0003276+002	9.9967225+001	9.9957022+003	9.9965989+005

TABLE II.—EXPECTATION VALUES—CONTINUED

KAPPA = −0.900000 —*CONTINUED*

13 10, 3	1.0003276+002	9.9967225+001	9.9957022+003	9.9965989+005
13 11, 3	1.2102277+002	1.2097722+002	1.4636791+004	1.7710003+006
13 11, 2	1.2102277+002	1.2097722+002	1.4636791+004	1.7710003+006
13 12, 2	1.4401345+002	1.4398655+002	2.0732717+004	2.9853768+006
13 12, 1	1.4401345+002	1.4398655+002	2.0732717+004	2.9853768+006
13 13, 1	1.6900445+002	1.6899555+002	2.8559708+004	4.8265255+006
13 13, 0	1.6900445+002	1.6899555+002	2.8559708+004	4.8265255+006
14 0,14	−2.3848734+000	1.2193358+000	5.9833705+000	4.2130379+001
14 1,14	−2.3209769+000	1.4396156+000	5.5695175+000	4.7111773+001
14 1,13	2.5605738+000	2.2851324+000	1.4597109+001	1.4425463+002
14 2,13	3.4630263+000	4.5064852+000	2.6272477+001	2.4219513+002
14 2,12	5.8084863+000	3.4014139+000	2.2457592+001	2.3787085+002
14 3,12	9.2422772+000	8.9459193+000	8.9566537+001	1.0462432+003
14 3,11	9.7438000+000	8.1065041+000	8.0722856+001	9.5403710+002
14 4,11	1.6255715+001	1.5775129+001	2.6037206+002	4.5192096+003
14 4,10	1.6295092+001	1.5661044+001	2.5821146+002	4.4817091+003
14 5,10	2.5179206+001	2.4821820+001	6.2720414+002	1.6144014+004
14 5, 9	2.5180748+001	2.4815722+001	6.2702042+002	1.6139088+004
14 6, 9	3.6129343+001	3.5870386+001	1.2965511+003	4.7224578+004
14 6, 8	3.6129379+001	3.5870207+001	1.2965432+003	4.7224272+004
14 7, 8	4.9098002+001	4.8901876+001	2.3998563+003	1.1817891+005
14 7, 7	4.9098003+001	4.8901872+001	2.3998561+003	1.1817890+005
14 8, 7	6.4076293+001	6.3923651+001	4.0932088+003	2.6252424+005
14 8, 6	6.4076293+001	6.3923651+001	4.0932088+003	2.6252424+005
14 9, 6	8.1059865+001	8.0940105+001	6.5567679+003	5.3155797+005
14 9, 5	8.1059865+001	8.0940105+001	6.5567679+003	5.3155797+005
14 10, 5	1.0004648+002	9.9953501+001	9.9947081+003	9.9976539+005
14 10, 4	1.0004648+002	9.9953501+001	9.9947081+003	9.9976539+005
14 11, 4	1.2103489+002	1.2096509+002	1.4635220+004	1.7709502+006
14 11, 3	1.2103489+002	1.2096509+002	1.4635220+004	1.7709502+006
14 12, 3	1.4402436+002	1.4397563+002	2.0730513+004	2.9850862+006
14 12, 2	1.4402436+002	1.4397563+002	2.0730513+004	2.9850862+006
14 13, 2	1.6901443+002	1.6898557+002	2.8556815+004	4.8258906+006
14 13, 1	1.6901443+002	1.6898557+002	2.8556815+004	4.8258906+006
14 14, 1	1.9600478+002	1.9599522+002	3.8414374+004	7.5291182+006
14 14, 0	1.9600478+002	1.9599522+002	3.8414374+004	7.5291182+006
15 0,15	−2.9134572+000	1.3607115+000	6.9723782+000	5.3269091+001
15 1,15	−2.8680399+000	1.5281520+000	6.5480656+000	5.8471745+001
15 1,14	2.5671174+000	2.6693874+000	1.8980786+001	1.9844218+002
15 2,14	3.2967910+000	4.6525562+000	2.9296858+001	2.9707020+002
15 2,13	6.1432367+000	3.4838169+000	2.5989945+001	3.0880184+002
15 3,13	9.2761420+000	8.9848156+000	9.2950122+001	1.1574074+003
15 3,12	9.9917679+000	7.8556589+000	8.0882197+001	1.0272947+003
15 4,12	1.6323201+001	1.5728024+001	2.6249886+002	4.6771049+003
15 4,11	1.6390129+001	1.5536467+001	2.5885172+002	4.6128161+003
15 5,11	2.5230068+001	2.4772224+001	6.2860134+002	1.6353570+004
15 5,10	2.5233130+001	2.4760154+001	6.2823708+002	1.6343741+004
15 6,10	3.6166076+001	3.5833491+001	1.2976050+003	4.7490073+004
15 6, 9	3.6166160+001	3.5833076+001	1.2975867+003	4.7489362+004
15 7, 9	4.9126091+001	4.8873702+001	2.4005509+003	1.1848916+005
15 7, 8	4.9126092+001	4.8873693+001	2.4005503+003	1.1848913+005
15 8, 8	6.4098853+001	6.3901055+001	4.0934757+003	2.6285496+005
15 8, 7	6.4098853+001	6.3901055+001	4.0934757+003	2.6285496+005
15 9, 7	8.1078673+001	8.0921280+001	6.5565416+003	5.3187145+005
15 9, 6	8.1078673+001	8.0921280+001	6.5565416+003	5.3187145+005
15 10, 6	1.0006262+002	9.9937349+001	9.9939258+003	1.0000088+006
15 10, 5	1.0006262+002	9.9937349+001	9.9939258+003	1.0000088+006
15 11, 5	1.2104907+002	1.2095091+002	1.4633821+004	1.7710540+006
15 11, 4	1.2104907+002	1.2095091+002	1.4633821+004	1.7710540+006
15 12, 4	1.4403705+002	1.4396293+002	2.0728436+004	2.9849621+006
15 12, 3	1.4403705+002	1.4396293+002	2.0728436+004	2.9849621+006
15 13, 3	1.6902596+002	1.6897403+002	2.8554001+004	4.8254298+006
15 13, 2	1.6902596+002	1.6897403+002	2.8554001+004	4.8254298+006
15 14, 2	1.9601540+002	1.9598459+002	3.8410762+004	7.5281899+006
15 14, 1	1.9601540+002	1.9598459+002	3.8410762+004	7.5281899+006
15 15, 1	2.2500511+002	2.2499489+002	5.0622987+004	1.1390026+007

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