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Secure Hash Algorithm
Message Digest Length = 160

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One Block Message Sample

Input Message: "abc"

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Initial hash value:

H[0] = 67452301
H[1] = EFC DAB89
H[2] = 98BADC FE
H[3] = 10325476
H[4] = C3D2E1F0

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Block Contents:

W[0] = 61626380
W[1] = 00000000
W[2] = 00000000
W[3] = 00000000
W[4] = 00000000
W[5] = 00000000
W[6] = 00000000
W[7] = 00000000
W[8] = 00000000
W[9] = 00000000
W[10] = 00000000
W[11] = 00000000
W[12] = 00000000
W[13] = 00000000
W[14] = 00000000
W[15] = 00000018

	A	B	C	D	E
t= 0:	0116FC33	67452301	7BF36AE2	98BADC FE	10325476
t= 1:	8990536D	0116FC33	59D148C0	7BF36AE2	98BADC FE
t= 2:	A1390F08	8990536D	C045BF0C	59D148C0	7BF36AE2
t= 3:	CDD8E11B	A1390F08	626414DB	C045BF0C	59D148C0
t= 4:	CFD499DE	CDD8E11B	284E43C2	626414DB	C045BF0C
t= 5:	3FC7CA40	CFD499DE	F3763846	284E43C2	626414DB
t= 6:	993E30C1	3FC7CA40	B3F52677	F3763846	284E43C2
t= 7:	9E8C07D4	993E30C1	0FF1F290	B3F52677	F3763846
t= 8:	4B6AE328	9E8C07D4	664F8C30	0FF1F290	B3F52677
t= 9:	8351F929	4B6AE328	27A301F5	664F8C30	0FF1F290
t=10:	FBDA9E89	8351F929	12DAB8CA	27A301F5	664F8C30
t=11:	63188FE4	FBDA9E89	60D47E4A	12DAB8CA	27A301F5

t=12:	4607B664	63188FE4	7EF6A7A2	60D47E4A	12DAB8CA
t=13:	9128F695	4607B664	18C623F9	7EF6A7A2	60D47E4A
t=14:	196BEE77	9128F695	1181ED99	18C623F9	7EF6A7A2
t=15:	20BDD62F	196BEE77	644A3DA5	1181ED99	18C623F9
t=16:	4E925823	20BDD62F	C65AFB9D	644A3DA5	1181ED99
t=17:	82AA6728	4E925823	C82F758B	C65AFB9D	644A3DA5
t=18:	DC64901D	82AA6728	D3A49608	C82F758B	C65AFB9D
t=19:	FD9E1D7D	DC64901D	20AA99CA	D3A49608	C82F758B
t=20:	1A37B0CA	FD9E1D7D	77192407	20AA99CA	D3A49608
t=21:	33A23BFC	1A37B0CA	7F67875F	77192407	20AA99CA
t=22:	21283486	33A23BFC	868DEC32	7F67875F	77192407
t=23:	D541F12D	21283486	0CE88EFF	868DEC32	7F67875F
t=24:	C7567DC6	D541F12D	884A0D21	0CE88EFF	868DEC32
t=25:	48413BA4	C7567DC6	75507C4B	884A0D21	0CE88EFF
t=26:	BE35FBD5	48413BA4	B1D59F71	75507C4B	884A0D21
t=27:	4AA84D97	BE35FBD5	12104EE9	B1D59F71	75507C4B
t=28:	8370B52E	4AA84D97	6F8D7EF5	12104EE9	B1D59F71
t=29:	C5FBAF5D	8370B52E	D2AA1365	6F8D7EF5	12104EE9
t=30:	1267B407	C5FBAF5D	A0DC2D4B	D2AA1365	6F8D7EF5
t=31:	3B845D33	1267B407	717EEBD7	A0DC2D4B	D2AA1365
t=32:	046FAA0A	3B845D33	C499ED01	717EEBD7	A0DC2D4B
t=33:	2C0EBC11	046FAA0A	CEE1174C	C499ED01	717EEBD7
t=34:	21796AD4	2C0EBC11	811BEA82	CEE1174C	C499ED01
t=35:	DCBBB0CB	21796AD4	4B03AF04	811BEA82	CEE1174C
t=36:	0F511FD8	DCBBB0CB	085E5AB5	4B03AF04	811BEA82
t=37:	DC63973F	0F511FD8	F72EEC32	085E5AB5	4B03AF04
t=38:	4C986405	DC63973F	03D447F6	F72EEC32	085E5AB5
t=39:	32DE1CBA	4C986405	F718E5CF	03D447F6	F72EEC32
t=40:	FC87DEDf	32DE1CBA	53261901	F718E5CF	03D447F6
t=41:	970A0D5C	FC87DEDf	8CB7872E	53261901	F718E5CF
t=42:	7F193DC5	970A0D5C	FF21F7B7	8CB7872E	53261901
t=43:	EE1B1AAF	7F193DC5	25C28357	FF21F7B7	8CB7872E
t=44:	40F28E09	EE1B1AAF	5FC64F71	25C28357	FF21F7B7
t=45:	1C51E1F2	40F28E09	FB86C6AB	5FC64F71	25C28357
t=46:	A01B846C	1C51E1F2	503CA382	FB86C6AB	5FC64F71
t=47:	BEAD02CA	A01B846C	8714787C	503CA382	FB86C6AB
t=48:	BAF39337	BEAD02CA	2806E11B	8714787C	503CA382
t=49:	120731C5	BAF39337	AFAB40B2	2806E11B	8714787C
t=50:	641DB2CE	120731C5	EEBCE4CD	AFAB40B2	2806E11B
t=51:	3847AD66	641DB2CE	4481CC71	EEBCE4CD	AFAB40B2
t=52:	E490436D	3847AD66	99076CB3	4481CC71	EEBCE4CD
t=53:	27E9F1D8	E490436D	8E11EB59	99076CB3	4481CC71
t=54:	7B71F76D	27E9F1D8	792410DB	8E11EB59	99076CB3
t=55:	5E6456AF	7B71F76D	09FA7C76	792410DB	8E11EB59
t=56:	C846093F	5E6456AF	5EDC7DDB	09FA7C76	792410DB
t=57:	D262FF50	C846093F	D79915AB	5EDC7DDB	09FA7C76
t=58:	09D785FD	D262FF50	F211824F	D79915AB	5EDC7DDB
t=59:	3F52DE5A	09D785FD	3498BFD4	F211824F	D79915AB
t=60:	D756C147	3F52DE5A	4275E17F	3498BFD4	F211824F
t=61:	548C9CB2	D756C147	8FD4B796	4275E17F	3498BFD4
t=62:	B66C020B	548C9CB2	F5D5B051	8FD4B796	4275E17F
t=63:	6B61C9E1	B66C020B	9523272C	F5D5B051	8FD4B796
t=64:	19DFA7AC	6B61C9E1	ED9B0082	9523272C	F5D5B051
t=65:	101655F9	19DFA7AC	5AD87278	ED9B0082	9523272C

t=66:	0C3DF2B4	101655F9	0677E9EB	5AD87278	ED9B0082
t=67:	78DD4D2B	0C3DF2B4	4405957E	0677E9EB	5AD87278
t=68:	497093C0	78DD4D2B	030F7CAD	4405957E	0677E9EB
t=69:	3F2588C2	497093C0	DE37534A	030F7CAD	4405957E
t=70:	C199F8C7	3F2588C2	125C24F0	DE37534A	030F7CAD
t=71:	39859DE7	C199F8C7	8FC96230	125C24F0	DE37534A
t=72:	EDB42DE4	39859DE7	F0667E31	8FC96230	125C24F0
t=73:	11793F6F	EDB42DE4	CE616779	F0667E31	8FC96230
t=74:	5EE76897	11793F6F	3B6D0B79	CE616779	F0667E31
t=75:	63F7DAB7	5EE76897	C45E4FDB	3B6D0B79	CE616779
t=76:	A079B7D9	63F7DAB7	D7B9DA25	C45E4FDB	3B6D0B79
t=77:	860D21CC	A079B7D9	D8FDF6AD	D7B9DA25	C45E4FDB
t=78:	5738D5E1	860D21CC	681E6DF6	D8FDF6AD	D7B9DA25
t=79:	42541B35	5738D5E1	21834873	681E6DF6	D8FDF6AD

$H[0] = 67452301 + 42541B35 = A9993E36$
 $H[1] = EFC DAB89 + 5738D5E1 = 4706816A$
 $H[2] = 98BADC FE + 21834873 = BA3E2571$
 $H[3] = 10325476 + 681E6DF6 = 7850C26C$
 $H[4] = C3D2E1F0 + D8FDF6AD = 9CD0D89D$

Message Digest is
 A9993E36 4706816A BA3E2571 7850C26C 9CD0D89D

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Two Block Message Sample

Input Message:

"abcdbcdecdefdefgefghfghighijhijki jkljklmklmnlmnomnopnopq"

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Initial hash value:

$H[0] = 67452301$
 $H[1] = EFC DAB89$
 $H[2] = 98BADC FE$
 $H[3] = 10325476$
 $H[4] = C3D2E1F0$

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Block Contents:

$W[0] = 61626364$
 $W[1] = 62636465$
 $W[2] = 63646566$
 $W[3] = 64656667$
 $W[4] = 65666768$
 $W[5] = 66676869$
 $W[6] = 6768696A$

W[7] = 68696A6B
 W[8] = 696A6B6C
 W[9] = 6A6B6C6D
 W[10] = 6B6C6D6E
 W[11] = 6C6D6E6F
 W[12] = 6D6E6F70
 W[13] = 6E6F7071
 W[14] = 80000000
 W[15] = 00000000

	A	B	C	D	E
t= 0:	0116FC17	67452301	7BF36AE2	98BADCFE	10325476
t= 1:	EBF3B452	0116FC17	59D148C0	7BF36AE2	98BADCFE
t= 2:	5109913A	EBF3B452	C045BF05	59D148C0	7BF36AE2
t= 3:	2C4F6EAC	5109913A	BAFCED14	C045BF05	59D148C0
t= 4:	33F4AE5B	2C4F6EAC	9442644E	BAFCED14	C045BF05
t= 5:	96B85189	33F4AE5B	0B13DBAB	9442644E	BAFCED14
t= 6:	DB04CB58	96B85189	CCFD2B96	0B13DBAB	9442644E
t= 7:	45833F0F	DB04CB58	65AE1462	CCFD2B96	0B13DBAB
t= 8:	C565C35E	45833F0F	36C132D6	65AE1462	CCFD2B96
t= 9:	6350AFDA	C565C35E	D160CFC3	36C132D6	65AE1462
t=10:	8993EA77	6350AFDA	B15970D7	D160CFC3	36C132D6
t=11:	E19ECAA2	8993EA77	98D42BF6	B15970D7	D160CFC3
t=12:	8603481E	E19ECAA2	E264FA9D	98D42BF6	B15970D7
t=13:	32F94A85	8603481E	B867B2A8	E264FA9D	98D42BF6
t=14:	B2E7A8BE	32F94A85	A180D207	B867B2A8	E264FA9D
t=15:	42637E39	B2E7A8BE	4CBE52A1	A180D207	B867B2A8
t=16:	6B068048	42637E39	ACB9EA2F	4CBE52A1	A180D207
t=17:	426B9C35	6B068048	5098DF8E	ACB9EA2F	4CBE52A1
t=18:	944B1BD1	426B9C35	1AC1A012	5098DF8E	ACB9EA2F
t=19:	6C445652	944B1BD1	509AE70D	1AC1A012	5098DF8E
t=20:	95836DA5	6C445652	6512C6F4	509AE70D	1AC1A012
t=21:	09511177	95836DA5	9B111594	6512C6F4	509AE70D
t=22:	E2B92DC4	09511177	6560DB69	9B111594	6512C6F4
t=23:	FD224575	E2B92DC4	C254445D	6560DB69	9B111594
t=24:	EEB82D9A	FD224575	38AE4B71	C254445D	6560DB69
t=25:	5A142C1A	EEB82D9A	7F48915D	38AE4B71	C254445D
t=26:	2972F7C7	5A142C1A	BBAE0B66	7F48915D	38AE4B71
t=27:	D526A644	2972F7C7	96850B06	BBAE0B66	7F48915D
t=28:	E1122421	D526A644	CA5CBDF1	96850B06	BBAE0B66
t=29:	05B457B2	E1122421	3549A991	CA5CBDF1	96850B06
t=30:	A9C84BEC	05B457B2	78448908	3549A991	CA5CBDF1
t=31:	52E31F60	A9C84BEC	816D15EC	78448908	3549A991
t=32:	5AF3242C	52E31F60	2A7212FB	816D15EC	78448908
t=33:	31C756A9	5AF3242C	14B8C7D8	2A7212FB	816D15EC
t=34:	E9AC987C	31C756A9	16BCC90B	14B8C7D8	2A7212FB
t=35:	AB7C32EE	E9AC987C	4C71D5AA	16BCC90B	14B8C7D8
t=36:	5933FC99	AB7C32EE	3A6B261F	4C71D5AA	16BCC90B
t=37:	43F87AE9	5933FC99	AADF0CBB	3A6B261F	4C71D5AA
t=38:	24957F22	43F87AE9	564CFF26	AADF0CBB	3A6B261F
t=39:	ADEB7478	24957F22	50FE1EBA	564CFF26	AADF0CBB
t=40:	D70E5010	ADEB7478	89255FC8	50FE1EBA	564CFF26
t=41:	79BCFB08	D70E5010	2B7ADD1E	89255FC8	50FE1EBA
t=42:	F9BCB8DE	79BCFB08	35C39404	2B7ADD1E	89255FC8

t=43:	633E9561	F9BCB8DE	1E6F3EC2	35C39404	2B7ADD1E
t=44:	98C1EA64	633E9561	BE6F2E37	1E6F3EC2	35C39404
t=45:	C6EA241E	98C1EA64	58CFA558	BE6F2E37	1E6F3EC2
t=46:	A2AD4F02	C6EA241E	26307A99	58CFA558	BE6F2E37
t=47:	C8A69090	A2AD4F02	B1BA8907	26307A99	58CFA558
t=48:	88341600	C8A69090	A8AB53C0	B1BA8907	26307A99
t=49:	7E846F58	88341600	3229A424	A8AB53C0	B1BA8907
t=50:	86E358BA	7E846F58	220D0580	3229A424	A8AB53C0
t=51:	8D2E76C8	86E358BA	1FA11BD6	220D0580	3229A424
t=52:	CE892E10	8D2E76C8	A1B8D62E	1FA11BD6	220D0580
t=53:	EDEA95B1	CE892E10	234B9DB2	A1B8D62E	1FA11BD6
t=54:	36D1230A	EDEA95B1	33A24B84	234B9DB2	A1B8D62E
t=55:	776C3910	36D1230A	7B7AA56C	33A24B84	234B9DB2
t=56:	A681B723	776C3910	8DB448C2	7B7AA56C	33A24B84
t=57:	AC0A794F	A681B723	1DDB0E44	8DB448C2	7B7AA56C
t=58:	F03D3782	AC0A794F	E9A06DC8	1DDB0E44	8DB448C2
t=59:	9EF775C3	F03D3782	EB029E53	E9A06DC8	1DDB0E44
t=60:	36254B13	9EF775C3	BC0F4DE0	EB029E53	E9A06DC8
t=61:	4080D4DC	36254B13	E7BDDD70	BC0F4DE0	EB029E53
t=62:	2BFAF7A8	4080D4DC	CD8952C4	E7BDDD70	BC0F4DE0
t=63:	513F9CA0	2BFAF7A8	10203537	CD8952C4	E7BDDD70
t=64:	E5895C81	513F9CA0	0AFEBDEA	10203537	CD8952C4
t=65:	1037D2D5	E5895C81	144FE728	0AFEBDEA	10203537
t=66:	14A82DA9	1037D2D5	79625720	144FE728	0AFEBDEA
t=67:	6D17C9FD	14A82DA9	440DF4B5	79625720	144FE728
t=68:	2C7B07BD	6D17C9FD	452A0B6A	440DF4B5	79625720
t=69:	FDF6EFFF	2C7B07BD	5B45F27F	452A0B6A	440DF4B5
t=70:	112B96E3	FDF6EFFF	4B1EC1EF	5B45F27F	452A0B6A
t=71:	84065712	112B96E3	FF7DBBFF	4B1EC1EF	5B45F27F
t=72:	AB89FB71	84065712	C44AE5B8	FF7DBBFF	4B1EC1EF
t=73:	C5210E35	AB89FB71	A10195C4	C44AE5B8	FF7DBBFF
t=74:	352D9F4B	C5210E35	6AE27EDC	A10195C4	C44AE5B8
t=75:	1A0E0E0A	352D9F4B	7148438D	6AE27EDC	A10195C4
t=76:	D0D47349	1A0E0E0A	CD4B67D2	7148438D	6AE27EDC
t=77:	AD38620D	D0D47349	86838382	CD4B67D2	7148438D
t=78:	D3AD7C25	AD38620D	74351CD2	86838382	CD4B67D2
t=79:	8CE34517	D3AD7C25	6B4E1883	74351CD2	86838382

H[0] = 67452301 + 8CE34517 = F4286818

H[1] = EFCDAB89 + D3AD7C25 = C37B27AE

H[2] = 98BADCFE + 6B4E1883 = 0408F581

H[3] = 10325476 + 74351CD2 = 84677148

H[4] = C3D2E1F0 + 86838382 = 4A566572

=====
Block Contents:

W[0] = 00000000

W[1] = 00000000

W[2] = 00000000

W[3] = 00000000

W[4] = 00000000

W[5] = 00000000

W[6] = 00000000

W[7] = 00000000
 W[8] = 00000000
 W[9] = 00000000
 W[10] = 00000000
 W[11] = 00000000
 W[12] = 00000000
 W[13] = 00000000
 W[14] = 00000000
 W[15] = 000001C0

	A	B	C	D	E
t= 0:	2DF257E9	F4286818	B0DEC9EB	0408F581	84677148
t= 1:	4D3DC58F	2DF257E9	3D0A1A06	B0DEC9EB	0408F581
t= 2:	C352BB05	4D3DC58F	4B7C95FA	3D0A1A06	B0DEC9EB
t= 3:	EEF743C6	C352BB05	D34F7163	4B7C95FA	3D0A1A06
t= 4:	41E34277	EEF743C6	70D4AEC1	D34F7163	4B7C95FA
t= 5:	5443915C	41E34277	BBBDD0F1	70D4AEC1	D34F7163
t= 6:	E7FA0377	5443915C	D078D09D	BBBDD0F1	70D4AEC1
t= 7:	C6946813	E7FA0377	1510E457	D078D09D	BBBDD0F1
t= 8:	FDDE1DE1	C6946813	F9FE80DD	1510E457	D078D09D
t= 9:	B8538ACA	FDDE1DE1	F1A51A04	F9FE80DD	1510E457
t=10:	6BA94F63	B8538ACA	7F778778	F1A51A04	F9FE80DD
t=11:	43A2792F	6BA94F63	AE14E2B2	7F778778	F1A51A04
t=12:	FECD7BBF	43A2792F	DAEA53D8	AE14E2B2	7F778778
t=13:	A2604CA8	FECD7BBF	D0E89E4B	DAEA53D8	AE14E2B2
t=14:	258B0BAA	A2604CA8	FFB35EEF	D0E89E4B	DAEA53D8
t=15:	D9772360	258B0BAA	2898132A	FFB35EEF	D0E89E4B
t=16:	5507DB6E	D9772360	8962C2EA	2898132A	FFB35EEF
t=17:	A51B58BC	5507DB6E	365DC8D8	8962C2EA	2898132A
t=18:	C2EB709F	A51B58BC	9541F6DB	365DC8D8	8962C2EA
t=19:	D8992153	C2EB709F	2946D62F	9541F6DB	365DC8D8
t=20:	37482F5F	D8992153	F0BADC27	2946D62F	9541F6DB
t=21:	EE8700BD	37482F5F	F6264854	F0BADC27	2946D62F
t=22:	9AD594B9	EE8700BD	CDD20BD7	F6264854	F0BADC27
t=23:	8FBAA5B9	9AD594B9	7BA1C02F	CDD20BD7	F6264854
t=24:	88FB5867	8FBAA5B9	66B5652E	7BA1C02F	CDD20BD7
t=25:	EEC50521	88FB5867	63EEA96E	66B5652E	7BA1C02F
t=26:	50BCE434	EEC50521	E23ED619	63EEA96E	66B5652E
t=27:	5C416DAF	50BCE434	7BB14148	E23ED619	63EEA96E
t=28:	2429BE5F	5C416DAF	142F390D	7BB14148	E23ED619
t=29:	0A2FB108	2429BE5F	D7105B6B	142F390D	7BB14148
t=30:	17986223	0A2FB108	C90A6F97	D7105B6B	142F390D
t=31:	8A4AF384	17986223	028BEC42	C90A6F97	D7105B6B
t=32:	6B629993	8A4AF384	C5E61888	028BEC42	C90A6F97
t=33:	F15F04F3	6B629993	2292BCE1	C5E61888	028BEC42
t=34:	295CC25B	F15F04F3	DAD8A664	2292BCE1	C5E61888
t=35:	696DA404	295CC25B	FC57C13C	DAD8A664	2292BCE1
t=36:	CEF5AE12	696DA404	CA573096	FC57C13C	DAD8A664
t=37:	87D5B80C	CEF5AE12	1A5B6901	CA573096	FC57C13C
t=38:	84E2A5F2	87D5B80C	B3BD6B84	1A5B6901	CA573096
t=39:	03BB6310	84E2A5F2	21F56E03	B3BD6B84	1A5B6901
t=40:	C2D8F75F	03BB6310	A138A97C	21F56E03	B3BD6B84
t=41:	BFB25768	C2D8F75F	00EED8C4	A138A97C	21F56E03
t=42:	28589152	BFB25768	F0B63DD7	00EED8C4	A138A97C

t=43:	EC1D3D61	28589152	2FEC95DA	F0B63DD7	00EED8C4
t=44:	3CAED7AF	EC1D3D61	8A162454	2FEC95DA	F0B63DD7
t=45:	C3D033EA	3CAED7AF	7B074F58	8A162454	2FEC95DA
t=46:	7316056A	C3D033EA	CF2BB5EB	7B074F58	8A162454
t=47:	46F93B68	7316056A	B0F40CFA	CF2BB5EB	7B074F58
t=48:	DC8E7F26	46F93B68	9CC5815A	B0F40CFA	CF2BB5EB
t=49:	850D411C	DC8E7F26	11BE4EDA	9CC5815A	B0F40CFA
t=50:	7E4672C0	850D411C	B7239FC9	11BE4EDA	9CC5815A
t=51:	89FBD41D	7E4672C0	21435047	B7239FC9	11BE4EDA
t=52:	1797E228	89FBD41D	1F919CB0	21435047	B7239FC9
t=53:	431D65BC	1797E228	627EF507	1F919CB0	21435047
t=54:	2BDBB8CB	431D65BC	05E5F88A	627EF507	1F919CB0
t=55:	6DA72E7F	2BDBB8CB	10C7596F	05E5F88A	627EF507
t=56:	A8495A9B	6DA72E7F	CAF6EE32	10C7596F	05E5F88A
t=57:	E785655A	A8495A9B	DB69CB9F	CAF6EE32	10C7596F
t=58:	5B086C42	E785655A	EA1256A6	DB69CB9F	CAF6EE32
t=59:	A65818F7	5B086C42	B9E15956	EA1256A6	DB69CB9F
t=60:	7AAB101B	A65818F7	96C21B10	B9E15956	EA1256A6
t=61:	93614C9C	7AAB101B	E996063D	96C21B10	B9E15956
t=62:	F66D9BF4	93614C9C	DEAAC406	E996063D	96C21B10
t=63:	D504902B	F66D9BF4	24D85327	DEAAC406	E996063D
t=64:	60A9DA62	D504902B	3D9B66FD	24D85327	DEAAC406
t=65:	8B687819	60A9DA62	F541240A	3D9B66FD	24D85327
t=66:	083E90C3	8B687819	982A7698	F541240A	3D9B66FD
t=67:	F6226BBF	083E90C3	62DA1E06	982A7698	F541240A
t=68:	76C0563B	F6226BBF	C20FA430	62DA1E06	982A7698
t=69:	989DD165	76C0563B	FD889AEF	C20FA430	62DA1E06
t=70:	8B2C7573	989DD165	DDB0158E	FD889AEF	C20FA430
t=71:	AE1B8E7B	8B2C7573	66277459	DDB0158E	FD889AEF
t=72:	CA1840DE	AE1B8E7B	E2CB1D5C	66277459	DDB0158E
t=73:	16F3BABB	CA1840DE	EB86E39E	E2CB1D5C	66277459
t=74:	D28D83AD	16F3BABB	B2861037	EB86E39E	E2CB1D5C
t=75:	6BC02DFE	D28D83AD	C5BCEEAE	B2861037	EB86E39E
t=76:	D3A6E275	6BC02DFE	74A360EB	C5BCEEAE	B2861037
t=77:	DA955482	D3A6E275	9AF00B7F	74A360EB	C5BCEEAE
t=78:	58C0AAC0	DA955482	74E9B89D	9AF00B7F	74A360EB
t=79:	906FD62C	58C0AAC0	B6A55520	74E9B89D	9AF00B7F

H[0] = F4286818 + 906FD62C = 84983E44
H[1] = C37B27AE + 58C0AAC0 = 1C3BD26E
H[2] = 0408F581 + B6A55520 = BAAE4AA1
H[3] = 84677148 + 74E9B89D = F95129E5
H[4] = 4A566572 + 9AF00B7F = E54670F1

Message Digest is
84983E44 1C3BD26E BAAE4AA1 F95129E5 E54670F1