

COCODE**PURPOSE**

Generate a coded variable based on another variable.

DESCRIPTION

Suppose X is the variable to be coded and XREF is the variable that dictates the coding. Then all element of X that match XREF(1) are coded with a 1, all elements of X that match XREF(2) are coded as a 2, and so on up to the last element of XREF.

This command is useful for generating ordered plots for a second response variable based on an ordering of the horizontal axis elements from a preceding plot.

SYNTAX

```
LET <xprime> = COCODE <x1> <xref>           <SUBSET/EXCEPT/FOR qualification>
where <x1> is the variable to be coded;
      <xref> is a list of values that are matched against <x1> (not necessarily the same size as <x1>);
      <xprime> is a variable of the same length as <x1> where the coded values are saved;
and where the <SUBSET/EXCEPT/FOR qualification> is optional.
```

EXAMPLES

```
LET XPRIME = COCODE X1 XREF
```

DEFAULT

None

SYNONYMS

CORANK

RELATED COMMANDS

COCOPY	=	Generate a coded variable based on another variable.
CODE	=	Generate a coded variable.
CODE2	=	Generate a binary coded variable.
CODE4	=	Generate a quartile coded variable.
CODE8	=	Generate an octal coded variable.

APPLICATIONS

Data transformations

IMPLEMENTATION DATE

92/5

PROGRAM

```
LET X = DATA 12 15 4 12 12 4 15 4 15
LET XREF = DATA 15 4 12
LET XPRIME = COCODE X XREF
```

The variable XPRIME will contain the following values:

3, 1, 2, 3, 3, 2, 1, 2, 1