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 elements 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