**DISTINCT**

**PURPOSE**

Extract the distinct elements of a variable and store them in another variable.

**SYNTAX**

```
LET <resp> = DISTINCT <x1> <SUBSET/EXCEPT/FOR qualification>
```

where `<x1>` is a response variable;

- `<resp>` is a variable (generally of shorter length than `<x1>`) where the distinct values are stored;
- and where the `<SUBSET/EXCEPT/FOR qualification>` is optional.

**EXAMPLES**

```
LET XD = DISTINCT TAG
```

**DEFAULT**

None

**SYNONYMS**

- SET DISTINCT
- SET ELEMENTS

**RELATED COMMANDS**

- FREQUENCY = Compute the number of occurrences of each distinct value of a variable.
- COCODE = Generate a cocoded variable.
- CODE = Generate a coded variable.

**APPLICATIONS**

Data transformation

**IMPLEMENTATION DATE**

Pre-1987

**PROGRAM**

```
LET X1 = PATTERN 1 2 3 4 5 FOR I = 1 1 100
LET XD = DISTINCT X1
```

The variable XD will contain the values 1, 2, 3, 4, 5.