IDENTIFICATION DIVISION.

PROGRAM-ID. ROTATE.

DATA DIVISION.

WORKING-STORAGE SECTION.

01 WS-TABLE.

05 WS-ELEMENT PIC 9(1) OCCURS 5 TIMES INDEXED BY IND.

01 WS-TABLE1.

05 WS-ELEMENT1 PIC 9(1) OCCURS 5 TIMES INDEXED BY IND.

01 I PIC 9.

01 N PIC 9.

PROCEDURE DIVISION.

MOVE 3 TO WS-ELEMENT(1)

MOVE 6 TO WS-ELEMENT(2)

MOVE 2 TO WS-ELEMENT(3)

MOVE 7 TO WS-ELEMENT(4)

MOVE 4 TO WS-ELEMENT(5)

ACCEPT N

IF N<5 THEN

PERFORM A-PARA N TIMES

ELSE

DISPLAY 'INVALID N'

END-IF.

A-PARA.

MOVE WS-ELEMENT(1) TO WS-ELEMENT1(5)

MOVE WS-ELEMENT(2) TO WS-ELEMENT1(1)

MOVE WS-ELEMENT(3) TO WS-ELEMENT1(2)

MOVE WS-ELEMENT(4) TO WS-ELEMENT1(3)

MOVE WS-ELEMENT(5) TO WS-ELEMENT1(4)

MOVE WS-ELEMENT1(1) TO WS-ELEMENT(1)

MOVE WS-ELEMENT1(2) TO WS-ELEMENT(2)

MOVE WS-ELEMENT1(3) TO WS-ELEMENT(3)

MOVE WS-ELEMENT1(4) TO WS-ELEMENT(4)

MOVE WS-ELEMENT1(5) TO WS-ELEMENT(5)

DISPLAY WS-TABLE1.

END PROGRAM ROTATE

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