```
|-----------------------------------------------|
|              PROGRAM FOR DIVISION             |
|-----------------------------------------------|

ENTER DIVIDEND  : 26
ENTER DIVISOR   : 81

        TOTAL BITS CONSIDERED FOR RESULT => 15
        INITIALLY A IS RESET TO ZERO:00000000

        Divisor         (M)     : 0 1 0 1 0 0 0 1
        2'C Divisor     (M)     : 1 0 1 0 1 1 1 1
        Dividend        (Q)     : 0 0 1 1 0 1 0

BITS CONSIDERED:[ A ]   [ M ]
                                  0 0 0 0 0 0 0 0  0 0 1 1 0 1 0

Left Shift              0 0 0 0 0 0 0 0  0 1 1 0 1 0
A< A-M          1 0 1 0 1 1 1 1  0 1 1 0 1 0
BIT Q:1 Q0< 0   1 0 1 0 1 1 1 1  0 1 1 0 1 0
A< -A+M                 0 0 0 0 0 0 0 0  0 1 1 0 1 0 0

Left Shift              0 0 0 0 0 0 0 0  1 1 0 1 0 0
A< A-M          1 0 1 0 1 1 1 1  1 1 0 1 0 0
BIT Q:1 Q0< 0   1 0 1 0 1 1 1 1  1 1 0 1 0 0
A< -A+M                 0 0 0 0 0 0 0 0  1 1 0 1 0 0 0

Left Shift              0 0 0 0 0 0 0 1  1 0 1 0 0 0
A< A-M          1 0 1 1 0 0 0 0  1 0 1 0 0 0
BIT Q:1 Q0< 0   1 0 1 1 0 0 0 0  1 0 1 0 0 0
A< -A+M                 0 0 0 0 0 0 0 1  1 0 1 0 0 0 0

Left Shift              0 0 0 0 0 0 1 1  0 1 0 0 0 0
```

Type input and press Enter to send to program

```
Left Shift              0 0 0 0 0 0 1 1  0 1 0 0 0 0
A< A-M          1 0 1 1 0 0 1 0  0 1 0 0 0 0
BIT Q:1 Q0< 0   1 0 1 1 0 0 1 0  0 1 0 0 0 0
A< -A+M                 0 0 0 0 0 0 1 1  0 1 0 0 0 0 0

Left Shift              0 0 0 0 0 1 1 0  1 0 0 0 0 0
A< A-M          1 0 1 1 0 1 0 1  1 0 0 0 0 0
BIT Q:1 Q0< 0   1 0 1 1 0 1 0 1  1 0 0 0 0 0
A< -A+M                 0 0 0 0 0 1 1 0  1 0 0 0 0 0 0

Left Shift              0 0 0 0 1 1 0 1  0 0 0 0 0 0
A< A-M          1 0 1 1 1 1 0 0  0 0 0 0 0 0
BIT Q:1 Q0< 0   1 0 1 1 1 1 0 0  0 0 0 0 0 0
A< -A+M                 0 0 0 0 1 1 0 1  0 0 0 0 0 0 0

Left Shift              0 0 0 1 1 0 1 0  0 0 0 0 0 0
A< A-M          1 1 0 0 1 0 0 1  0 0 0 0 0 0
BIT Q:1 Q0< 0   1 1 0 0 1 0 0 1  0 0 0 0 0 0
A< -A+M                 0 0 0 1 1 0 1 0  0 0 0 0 0 0 0
                < < QUOTIENT IN BITS>> :0 0 0 0 0 0 0
                QUOTIENT IN DECIMAL :0
                < < REMAINDER IN BITS>>:0 0 0 1 1 0 1 0
                REMAINDER IN DECIMAL :26
        DO YOU WANT TO CONTINUE PRESS 0-ESC 1-CONT.:
```