Codes

| | | 1/ |
|---|---|----|
| PI | MODEL SMALL. | |
| | . STACK 20 | Ĭ, |
| | . DATA | 1 |
| | Org 1000H | 1 |
| | NUMI DB 254, 354, 454, 324, 564, 984, 764, 764 | V |
| 350 | NUM 2. DB 901, 56H, 43H, 75H, 89H, 10H, 34H, 22H. | / |
| | ANS DB 10 DUP (3)} | |
| | COUNT DW 84 | |
| | CODE | |
| | START: | |
| | MOV AX, @DATA | |
| | MOV DS, AX | |
| | MOU (Y, LOUNT. | |
| 111111111111111111111111111111111111111 | MOV 51, 04. | |
| | CLC | |
| | REPEAT: | |
| | MOV AL , NUM ! [SI] | |
| | ADC AL, NUMZ[SI] | |
| | MOU ANS E[SI], AL. | |
| | INC 51 | |
| | LOOP REPEAT. | |
| | INT 3. | |
| | END START. | |

| 2 | MODEL SMALL |
|-------|--|
| | . STACK 20 |
| | DATA |
| | Org 1000H |
| | Org 1000H NUM 1 DB 894, 35H, 45H, 32H, 56H, 98H, 76H, 76H NUM 1 DB 894, 35H, 45H, 32H, 83H, 10H, 34H, 22H. |
| 15000 | NUM 2. 08324, 56H, 45H, 15H |
| | ANS DB 9 DUP (0) ? |
| | COUNT DW 8H |
| | CODE |
| | START: |
| | MOV AX, @DATA |
| | MOV DS, AX |
| | MOU (Y, COUNT. |
| | MOV 51, 04. |
| | CLC |
| | REPEAT: |
| | MOV AL NUMI[SI] |
| | SBB AL, NUMZ[SI] |
| | MOU ANS E [SI], AL. |
| | INC SI |
| | LOOP REPEAT. |
| | 1NT 3. |
| | END START. |
| | |

| 103 | MODEL SMALL. |
|-----|----------------------|
| 1 | , STACK 20 |
| | DATA |
| | ORG 10004 |
| | NI DB 354 |
| | N2 DB 824 |
| | Un_Sign_PROD DW? |
| | SI8'N - PROD DW? |
| | |
| | START; |
| | MOV AX, @DATA |
| | MOV DS, AK |
| | MOV AL, NI |
| | MUL NZ |
| 1 | MOV Un_Sign_PROD, AX |
| 1 | MOY AL, NI |
| 1 | IMUL NZ |
| 1 | MOV Sign- PROD, AX |
| 1 | INT 3 |
| 1 | END START |
| 1 | |

| 100000 | |
|--------|--------------------------|
| | EMPCISE |
| 92 | DATA SEGMENT. |
| | OR4 1000 H. |
| | N DW 5. |
| | RES DW? |
| | DATA ENDS |
| | LODE SEGMENT. |
| | ASSUME CS: CODE, DS DATA |
| | START: MOV AK DATA |
| | MOUDX, AX |
| | MOV AX, N |
| | mov cx, Ax |
| | DEC CX. |
| | |
| | BACK: MUL CX |
| | DEC CX |
| | JNZ BACK. |
| | MOV RES, AX |
| | INT 3. |
| | CODE ENOS |
| | END START. |

Outputs (In reverse order)

```
Output - Exemple Question (Fadinal)
           Imput = 05 -> Location [1000]
Output = 78 -> Location [1002]
      Ougsut - 93 (P3)
            Input Input. Unsigned
                                         Sisind
            (N1) (N2)
                            Multipli won.
                                         Muliplicasa
SUS: 100E 89 35 45 32 56 98
Lds: 1016 32 56 12
       Output - 92 (PZ)
                                               22
             57 DF 65 BD
                                         42
     1015
       Output - Q1. (PI)
          25 35 45
90 56 43
                            32 56
    OOE
                      43 75. 85
                                     10
            35 88 88 A7 DF
    101E
```