```
i Write a program to find squale of
number (1 to so) usny look-up ton
       AREA SQUARE, CODE, READONLY
   FNTRY
   START
         LDR ROS TABLEL
        LDR R2, = 0x4000000
        LDR RL, [R2]
         MOV RIGRI, LSL #OX2
         ADD RO, RO, RL
        LDR R3, [RO)
         BACK B BACK
        NOP
       NOP
    becell
                               9 012=0
           DCD 0x 0000 00 00
   TABLE 1
            DCD 0X0000001
                              1 1221
            DCD 0x00000004; 20224
            Des 0x00 00 00 00 09; 31229
            DO 0000 00000 00
                             1 412=16
            DCD 0x 000000 19 3 512=25
            Dep 0/ 80 00 00 24 , 6^2 = 36
Dep 0x 00000 0031; 7^2 = 49
```

DCD 0×0000000040 ; $8^{2} = 64$ DCD 0×0000000051 ; $9^{2} = 81$ DCD 0×000000064 ; $10^{2} = 100$

ENIP

Before

Ro = 0x00000000

R2 = 0x00000000

RIS (PC) = 0x00000000

R36 = 0x00000000

After

Ro= 0x00000024

R2=0x40000000

RIC(PC) = 6x 00 00001

R3 = 0x00000004

Memory Location 10x402000000:02 000

COR RA. CRESUCT

FA41,281 A12

