## EXPERIMENT 1.4

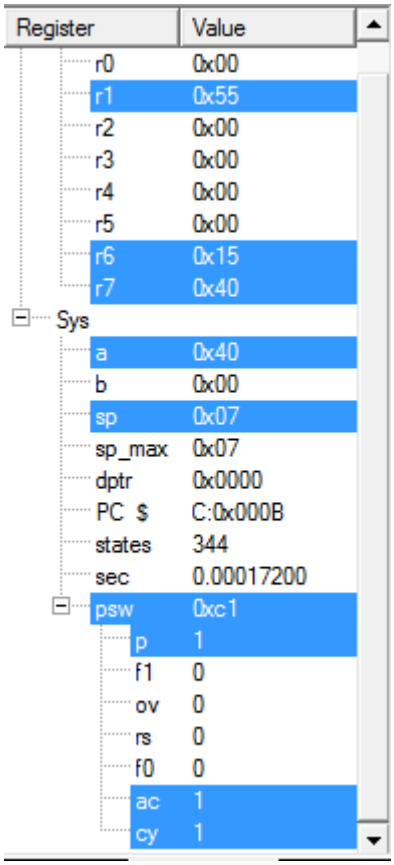
### Multiplication of two eight-bit hexadecimal numbers by successive addition.

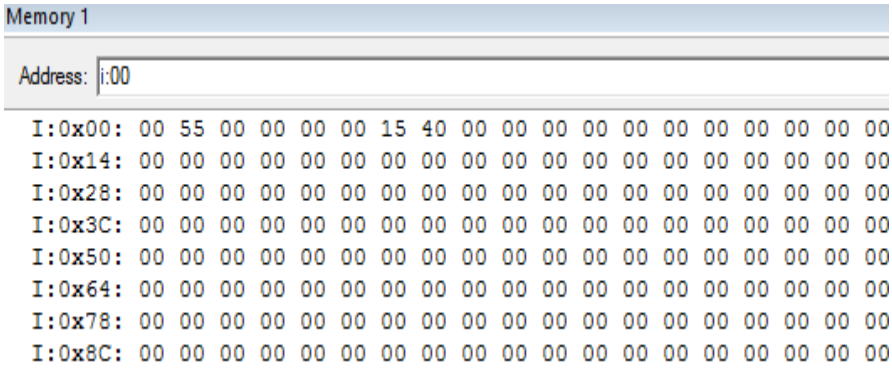
**Code:**

multi.asm

```
1 ;multipling 55h and 40h
2         MOV R1, #55H ; 1st number
3         MOV R0, #40H ; 2nd number
4 NEXT:   ADD A, R1    ; adding R1 repeatedly
5         JNC LABEL
6         INC R6       ; increment R2 on carry
7 LABEL:  DJNZ R0 , NEXT ; add R1 to acc
8         MOV R7, A
```

**Output:**




**THE OUTPUT IS FOUND AT R7,R6**