LAB 5 :

|  |  |
| --- | --- |
| ORG 0  mov r0,#200  mov r1,#3  mov r2,#5  mov a,r0  mov b,#2  mul ab  mov 30h,b  mov 31h,a  mov a,r1  mov b,#3  mul ab  mov 32h,a  mov a,r2  mov b,#3  mul ab  mov 33h,a  mov a,31h  add a,32h  add a,33h  mov 40h,30h  mov 41h,a  mov a,r1  mov b,#5  mul ab  mov 34h,a  mov a,r0  add a,34h  subb a,#3  mov 35h,a  mov a,41h  mov r3,#0h  lp:  subb a,35h  mov r4,a  jc ain  in: inc r3 | mov a,r4  jnz lp  jmp en  ain: mov a,40h  subb a,#0h  jnc in  en:  mov 42h,r3  mov a,r2  mov b,#4  mul ab  add a,#3  mov 36h,a  mov a,r0  mov b,#3  mul ab  add a,#1  mov 37h,b  mov 38h,a  mov a,36h  subb a,38h  mov 43h,a  mov a,#0h  subb a,37h  mov 44h,a  mov a,43h  mov b,42h  mul ab  mov 54h,a  mov 53h,b  mov a,44h  mov b,42h  mul ab  add a,53h  mov 53h,a  mov 52h,b  END |

OUTPUT:

