Program 7
Program to implement multiplication by successive addition method

LXI H,8000	H Load	Load first operand address			
MOV B, M	Store first operand to B				
F004	23		INX H	Increase HL pair	
F005	AF		XRA A	Clear accumulator	
F006	4F		MOV C, A	Store 00H at register C	
F007	86	LOOP	ADD M	Add memory element with Acc	
F008	D2, 0C, F0		JNC SKIP	When Carry flag is 0, skip next task	
F00B	0C		INR C	Increase C when carry is 1	
F00C	05	SKIP	DCR B	Decrease B register	
F00D	C2, 07, F0		JNZ LOOP	Jump to loop when Z flag is not 1	
F010	21, 50, 80		LXI H,8050H	Load Destination address	
F013	71		MOV M, C	Store C register content into memory	
F014	23		INX H	Increase HL Pair	
F015	77		MOV M, A	Store Acc content to memory	
F016	76		HLT	Terminate the program	

Result 8050 93 8051 D0