

Example 1

Assembly Instruction	Memory Address(Hex)	Machine Language (Hex)
<u>Alternative I</u>		
MVI A, 05H	2000	--
	2001	3E
	2002	05
STA 2000H	2003	32
	2004	00
	2005	20
RST5	2006	EF
<u>Alternative II</u>		
	2000	--
LXI H, 2000H	2001	21
	2002	00
	2003	20
MVI M, 05H	2004	36
	2005	05
RST5	2006	EF