

① Assembly Instruction	Memory Address (Hex)	Machine Language (Hex)
MVI A, OBH	2000	3E
MOV A, 00H	2001	OB
SIM	2002	30
EI	2003	FB
JMP 2004H	2004	C3
	2005	04
	2006	20

CALL End	2100	CD
	2101	55
	2102	04
HLT	2103	76

JMP 2100H	27BD	C3
	27BE	00
	27BF	21

For RST 7.5, it is feasible using 27BDH memory location to jump for interrupt service routine. We executed the following interrupt service routine with the help of VEC INT key and also using jump wires to give +5V to 7.5 pin and the following service routine works. We have stored OBH at accumulator to demask the M7.5 interrupt mask.

For RST 6.5 it is feasible using 27B7H memory location to jump for interrupt service routine. We executed the following interrupt service routine with the help of jump wires to give +5V to 6.5 pin and the following service routine works. We have stored ~~OBH~~ ODH at accumulator to demask M 6.5 interrupt mask.

A.J
30/08/2024