

Assembly Instruction	Memory Address (Hex)	Machine Language (Hex)
LXI H, 2000H	2100	21
	2101	00
	2102	20
MOV B, M	2103	46
INX H	2104	23
MOV C, M	2105	4E
MOV A, B	2106	78
ADD B	2107	80
CMP C	2108	B9
JC Make10	2109	DA
	210A	14
	210B	21
JZ Make10	210C	CA
	210D	14
	210E	21

MVI D, 500H	210F	16
	2110	05
JMP End →	2111	C3
	2112	16
	2113	21
<u>Make 10</u>		
MVI D, 100H	2114	16
	2115	10
<u>End</u> 2116	2116	21
LXI H, 2002H	2116	21
	2117	02
	2118	20
MOV M, D	2119	72
RST 5	211A	EF