①

Assembly Instruction	Memory Address (Hex)	Machine Language (Hex)	
			Location for m
Data Part {	2000		" " n
	2001		
main: MVI B, 02H	2100	06	
	2101	02	
MVI C, 03H	2102	0E	
	2103	03	
CALL f	2104	CD	
	2105	17	
	2106	21	
MOV A, D	2107	7A	
STA 2000H	2108	32	
	2109	00	
	210A	20	
MVI B, 03H	210B	06	
	210C	03	
MVI C, 07H	210D	0E	
	210E	07	
CALL f	210F	CD	
	2110	17	
	2111	21	

Instruction	Address	Code
MOV A,D	2112	7A
STA 2001H	2113	32
	2114	01
	2115	20
RST 5	2116	EF
f: MOV A,B	2117	78
ADD C	2118	81
ORA A	2119	B7
RAL	211A	12
MOV D,A	211B	57
RET	211C	C9