

# 시스템프로그래밍 (2020년도) SIC 머신

학번 20180474 출석번호 이름 남아리

5		COPY	START	1000	Return address	
10	1000	FIRST	STL	RETADR		141033
15	1003	CLOOP	JSUB	RDREC		482039
20	1006		LDA	LENGTH		001036
25	1009		COMP	ZERO		281030
30	100C		JEQ	ENDFIL		301015
35	100F		JSUB	WRREC		482061
40	1012		J	CLOOP		3C1003
45	1015	ENDFIL	LDA	EOF		00102A
50	1018		STA	BUFFER		0C1039
55	101B		LDA	THREE		00102D
60	101E		STA	LENGTH		0C1036
65	1021	A 10	JSUB	WRREC		482061
70	1024	B 11 E 14	LDL	RETADR		081033
75	1027	C 12 F 15	RSUB			4C0000
80	102A	D 13	EOF	BYTE C'EOF'		454F46
85	102D		THREE	WORD 3	3글자	000003
90	1030		ZERO	WORD 0	3byte	000000
95	1033		RETADR	RESW 1		
100	1036		LENGTH	RESW 1		
105	1039		BUFFER	RESB 4096		
110						
115						
120						
125	2039		RDREC	LDX ZERO		041030
130	203C			LDA ZERO		001030
135	203F		RLOOP	TD INPUT		E0205D
140	2042			JEQ RLOOP		30205F
145	2045			RD INPUT		D8205D
150	2048	14 + 7 = 17		COMP ZERO		281030
155	204B			JEQ EXIT Buffer[x]		302057
160	204E			STCH BUFFER, X		<del>541039</del> → 549039
165	2051			TIX MAXLEN		2C2052
170	2054			JLT RLOOP		38203F
175	2057		EXIT	STX LENGTH		101036
180	205A			RSUB		4C0000
185	205D		INPUT	BYTE X'F1'		F1
190	205E		MAXLEN	WORD 4096		001000
195						
200						
205						
210	2061		WRREC	LDX ZERO		041030
215	2064		WLOOP	TD OUTPUT		E02079
220	2067			JEQ WLOOP		302064
225	206A			LDCH BUFFER, X		509039
230	206D			WD OUTPUT		DC2079
235	2070			TIX LENGTH		2C1036
240	2073			JLT WLOOP		382064
245	2076			RSUB		4C0000
250	2079		OUTPUT	BYTE X'05'		05
255			END	FIRST		000000

opcode 5412 241212 2412, 4096 → 100016

SUBROUTINE TO WRITE RECORD FROM BUFFER

## Object Program

H COPY 001000 00107A

T 001000 1E 141033 482039 001036 281030 301015 482061 3C1003 00102A 0C1039 00102D

T 00101E 15 0C1036 482061 081033 4C0000 45AF46 000003 000000

T 002039 1E 041030 001030 ED205D 30203F D8205D 281030 302057 549039 2C205E 38203F

T 002057 1C 101036 4C0000 F1 001000 041030 ED2079 302064 509039 DC2079 2C1036

T 002073 07 382064 4C0000 05

T

E 001000

^