

CSI 402 – Systems Programming – Handout 5.2

Sample SIC Program Segment for One-Pass Assembly

Note: The following program segment in the assembly language of SIC will be used in class to illustrate how load-and-go and object file one-pass assemblers work. For each statement, the LC value (decimal) is shown on the left.

LC Value		SIC Statement	
-----		-----	
170		LDA	VALUE
.		.	
.		.	
182		STA	VALUE
.		.	
.		.	
197	NEXT	LDCH	STR
.		.	
.		.	
215		STCH	STR
.		.	
.		.	
227		J	NEXT
.		.	
.		.	
317	VALUE	RESW	1
320	STR	BYTE	C'PQR'