

# CSI 402 – Systems Programming – Handout 7.1

## Examples for External Reference and Definition Tables

**Note:** This handout shows two SIC/XE program segments in two separate files. One file containing the main program references external symbols which are defined in the other file. For convenience, the LC values are also shown. (These values are not part of the file.) The External Reference Table (ERT) for the first file and the External Definition Table (EDT) for the second file are also shown.

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**File:** main.asm

LC Value

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	EXTREF	SORT,MAX	#External symbols used in this file.
MAIN	START	0	#Main program.
	.		
	.		
27	+JSUB	SORT	#4-byte instructions are needed.
	.		
	.		
90	+JSUB	MAX	
	.		
	.		
114	+JSUB	SORT	
	.		
	.		

**External Reference Table (ERT) for main.asm:**

Symbol	Relative Address
SORT	28
MAX	91
SORT	115

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(over)

**File:** proc.asm

LC Value

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		EXTDEF	SORT,MAX	#External symbols defined in this file.
115	SORT	CSECT		#Procedure SORT.
		.		
		.		
		RSUB		
220	MAX	CSECT		#Procedure MAX.
		.		
		.		
		RSUB		

**External Definition Table (EDT) for proc.asm:**

Symbol	Relative Address
SORT	115
MAX	220

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