PASS 1:

1. instruction 的 location counter 以及對應 source program

Loc	Source statement			
1000	COPY	START	1000	
1000	FIRST	STL	RETADR	
1003	CLOOP	JSUB	RDREC	
1006		LDA	LENGTH	
1009		COMP	ZERO	
100C		JEQ	ENDFIL	
100F		JSUB	WRREC	
1012		J	CLOOP	
1015	ENDFIL	LDA	EOF	
1018		STA	BUFFER	
101B		LDA	THREE	
101E		STA	LENGTH	
1021		JSUB	WRREC	
1024		LDL	RETADR	
1027		RSUB		
102A	EOF	BYTE	C'EOF'	
102D	THREE	WORD	3	
1030	ZERO	WORD	0	
1033	RETADR	RESW	1	
1036	LENGTH	RESW	1	
1039	BUFFER	RESB	4096	

2. symbol table

Label Name	Address	
FIRST	1000	
CLOOP	1003	
ENDFIL	1015	
EOF	102A	
RETADR	1033	

PASS 2:

1. source program

(前後需分別加入 location counter 以及 object code)

Loc	Source statement			Object code
1000	COPY	START	1000	
1000	FIRST	STL	RETADR	141033
1003	CLOOP	JSUB	RDREC	482039
1005	CHOOL	LDA	LENGTH	001036
1009		COMP	ZERO	281030
100C		JEQ	ENDFIL	301015
100F		JSUB	WRREC	482061
1012		J	CLOOP	3C1003
1015	ENDFIL	LDA	EOF	00102A
1018		STA	BUFFER	0C1039
101B		LDA	THREE	00102D
101E		STA	LENGTH	0C1036
1021		JSUB	WRREC	482061
1024		LDL	RETADR	081033
1027		RSUB		4C0000
102A	EOF	BYTE	C'EOF'	454F46
102D	THREE	WORD	3	000003
1030	ZERO	WORD	0	000000
1033	RETADR	RESW	1	
1036	LENGTH	RESW	1	
1039	BUFFER	RESB	4096	

2. final object program

Figure 2.3 Object program corresponding to Fig. 2.2.