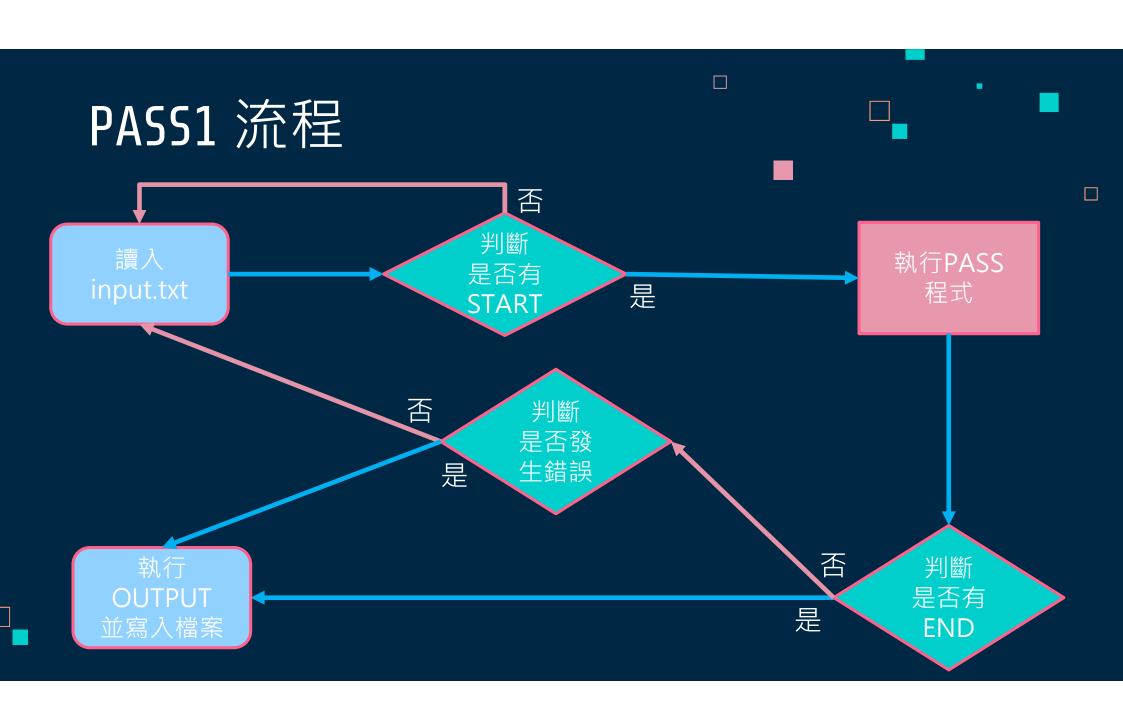


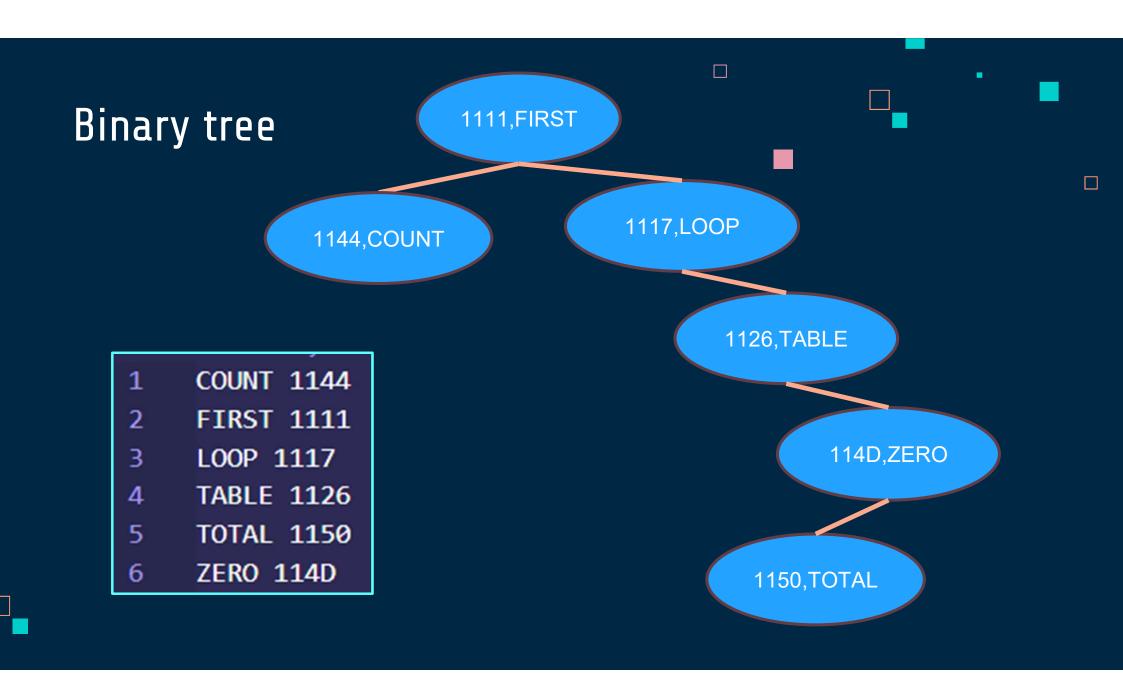
目錄

- » SIC
- > PASS1
- Hash table
- Binary tree
- Location

SIC 流程 OPTAB PASS1 Source program Intermediate file SYMTAB LOCCTR

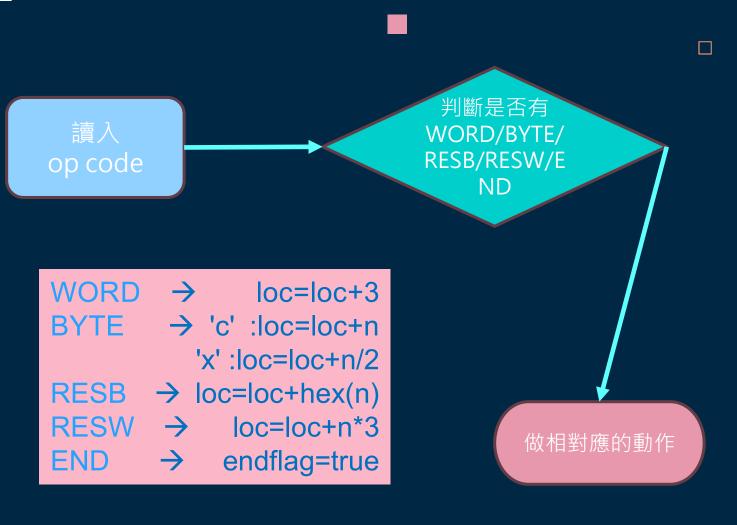


Hash table 流程 是 讀取op table 判斷位置 是否為空 創建新節點並放 入資料,在與該 位置做連結 否 判斷指令 結束hash 是否已經 程式 是 輸入完畢



Location 流程

```
else if(fo=="WORD"){
    code=word change();
    loc+=3;
else if(fo=="BYTE"){
    if(retadr[0]=='C'){
        loc+=retadr.length()-3;
        for(i=2;i<retadr.length()-1;i++){</pre>
            n=retadr[i];
            code+=inttoA(retadr[i]);
    else if(retadr[0]=='X'){
        for(i=2;i<retadr.length()-1;i++){</pre>
            code+=retadr[i];
        loc+=(retadr.length()-3+1)/2;
else if(fo=="RESB"){
    loc+=get_byte();
    code="";
else if(fo=="RESW"){
    byten=get byte();
    loc+=byten*3;
    code="";
else if(fo=="END"){
    endflag=1;
```



Input.txt

Output.txt

1	FIRST	START	1111
2		LDX	ZERO
3		LDA	ZERO
4	LOOP	ADD	TABLE,X
5		TIX	COUNT
6		JLT	LOOP
7		STA	TOTAL
8		RSUB	
9	TABLE	RESW	10
10	COUNT	RESW	3
11	ZERO	WORD	2
12	TOTAL	RESB	2
13		END	FIRST

1	FIRST START	1111	
2	1111	LDX	ZERO
3	1114	LDA	ZERO
4	1117 LOOP	ADD	TABLE,X
5	111A	TIX	COUNT
6	111D	JLT	LOOP
7	1120	STA	TOTAL
8	1123	RSUB	
9	1126 TABLE	RESW	10
10	1144 COUNT	RESW	3
11	114D ZERO	WORD	2
12	1150 TOTAL	RESB	2
13	END	FIRST	

Thank you for listening