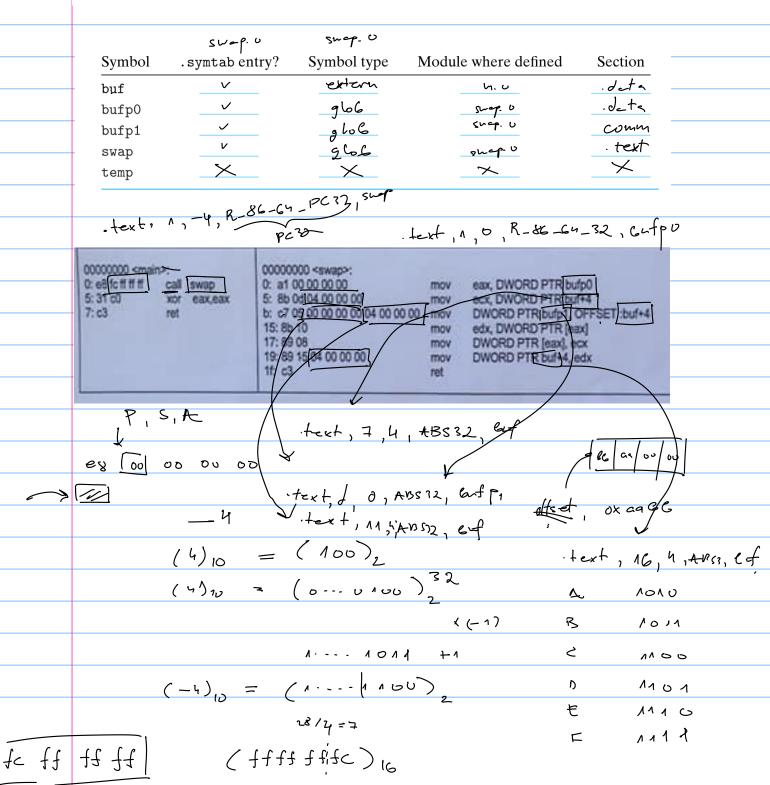
```
(a) m.c → w. o
                                                          swep. 6 code/link/swap.c
                                            (b) swap.c —
                              code/link/m.c
    void swap();
                                                 extern int buf[];
    int buf [2] = \{1, 2\};
                                                 int *bufp0 = &buf[0];
                                                 int *bufp1;
                                                                       . comm enfry 1 P, 8
    int main()
                                                void swap()
        swap();
        return 0;
                                                     int temp;
                                                     bufp1 = &buf[1];
                               code/link/m.c
                                                     temp = *bufp0;
                                            11
                                                     *bufp0 = *bufp1;
                                                     *bufp1 = temp;
                                                                        - code/link/swap.c
Figure 7.5 Example program for Practice Problem 7.1.
```



```
Swap- C -> sucp. 0
                                                   (a) m.c → w.O
                                                                                    code/link/m.c
     extern int buf[];
                                                        void swap();
     int *bufp0 = &buf[0];
                                                    2
     static int *bufp1;
                                                        int buf [2] = \{1, 2\};
     static void incr()
                                                    5
                                                        int main()
         static int count=0;
                                                    6
                                                             swap();
                                                    7
         count++;
                                                             return 0;
                                                    8
     }
 11
 12
 13
     void swap()
                                                                                    — code/link/m.c
     {
 14
        int temp;
15
16
17
        incr();
        bufp1 = &buf[1];
18
        temp = *bufp0;
19
        *bufp0 = *bufp1;
20
21
        *bufp1 = temp;
    }
22
```

Symbol	swap.o .symtab entry?	Symbol type	Module where defined	Section
buf		extern	M. 0	· data
bufp0	\checkmark	9406	5000.0	.data
bufp1		local	Shap.0	_ com o~
swap		ghob	shap. O	text
temp		_>_	\sim	× , —
incr		local	5-9. U	. text
count		local	shap. 0	common.