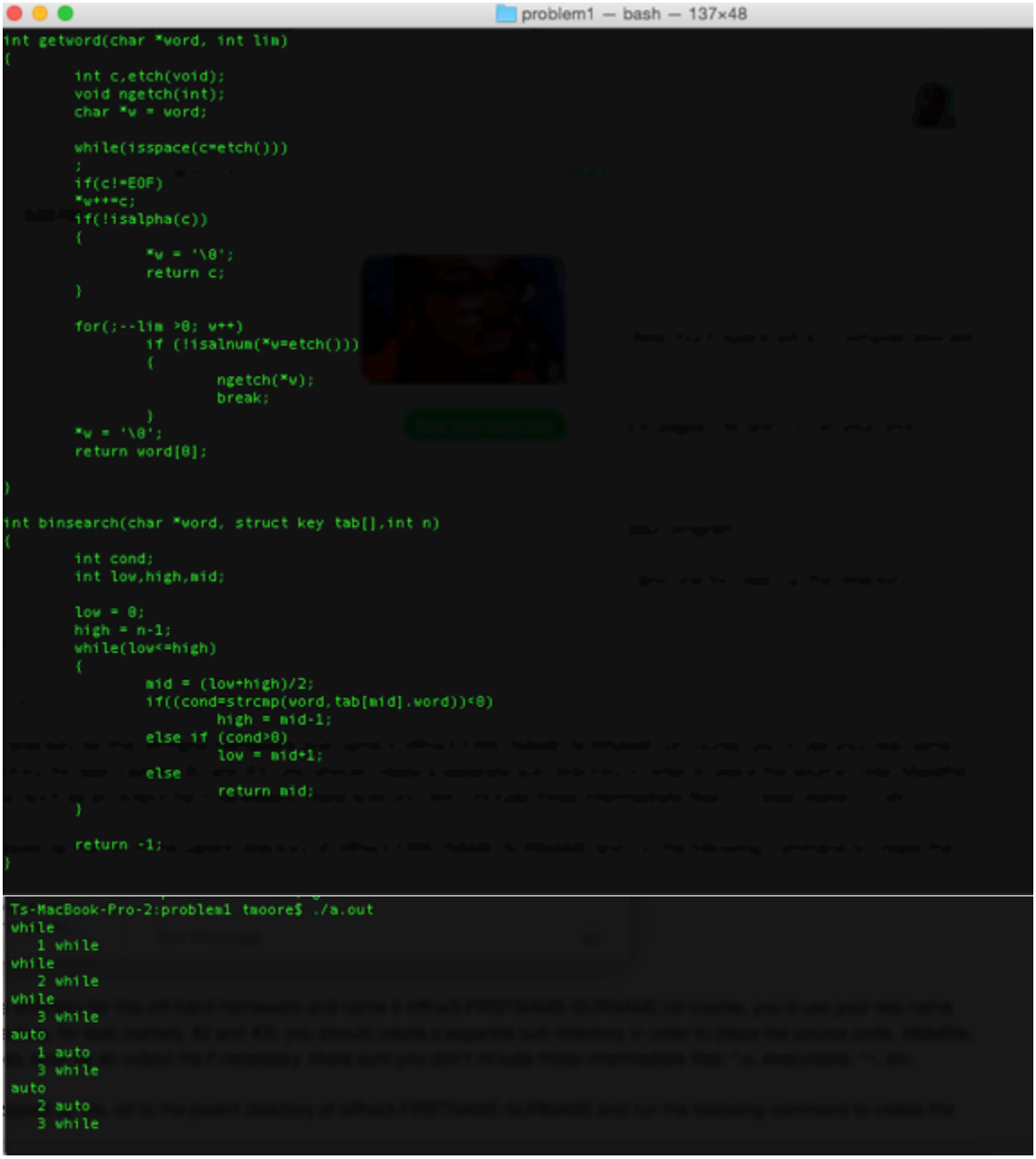
problem1 — bash — 137×48

```
Ts-MacBook-Pro-2:problem1 tmoore$ cat countWords.c
#include<stdio.h>
#include<ctype.h>
#include<string.h>

struct key
{
char *word;
int count;
}keytab[] ={{"auto",0},{"break",0},{"case",0},{"char",0},{"const",0},{"continue",0},{"default",0},{"unsigned",0}
},{"while",0}};


#define MAXWORD 100
#define NKEYS (sizeof keytab / sizeof(struct key))

int getword(char *, int);
int binsearch(char *,struct key*, int);

//count c keywords

int main()
{
        int n;
        char word[MAXWORD];

        while(getword(word,MAXWORD)!=EOF)
        {
                if(isalpha(word[0]))
                {
                        if((n=binsearch(word,keytab,NKEYS))>=0)// NKEYS not defined
                                keytab[n].count++;
                }

                        for(n = 0;n<NKEYS; n++)
                        {
                                if(keytab[n].count>0)
                                        printf("%4d %s \n",keytab[n].count,keytab[n].word);
                        }
        }

        return 0;

}
int getword(char *word, int lim)
{
```



The difference between the two is that the second example returns the pointer and manipulates the array with a pointer and the first example manipulates the array with a variable n .