

**Midterm Resubmission**

**1. True or False**

(c) I said true when the answer is false. BNF actually stands for Backus-Naur form. I forgot to review this part.

**2. Troubleshooting?**

My fix was slightly wrong. Right before calling *random\_string()*, I added

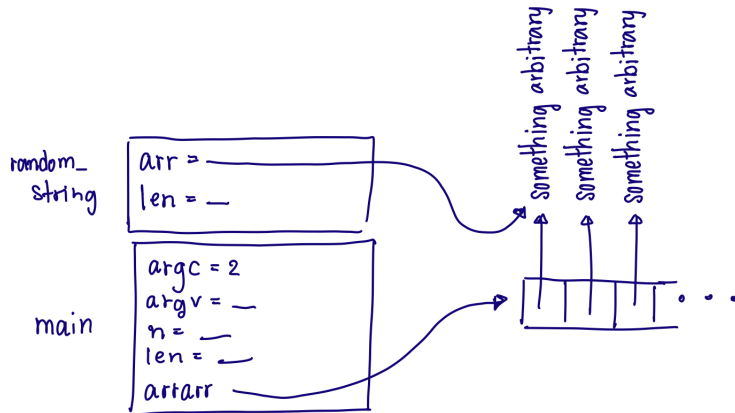
```
char * arrarr[i] = malloc(sizeof(char)*MAXLEN);
```

when what I should have added is

```
arrarr[i] = malloc(sizeof(char)*MAXLEN);
mcheck(arrarr[i]);
```

There is no need for "char \*" because I am not declaring *arrarr*.

I got my explanation and drawing wrong. In my drawing, I had *arrarr[i]* pointing back to a call stack because I thought the program would automatically allocate memory on a call stack if we did not *malloc()*. What I should have said is that without allocating sub-array *arrarr[i]*, the address currently living in the sub-array is arbitrary so the value referred to by the sub array is also arbitrary. When we call *memset()* or manipulating *arrarr[i]* in *random\_string()*, we are likely to get memory errors. Below is what I should have drawn.



**3. Mad Libs for grownups**

I said "The wonderful green child laughed." is a valid sentence in the language when it is not. I was not careful enough to notice that it was "The", not "the". Otherwise, "the wonderful green child laughed." would be in the language.