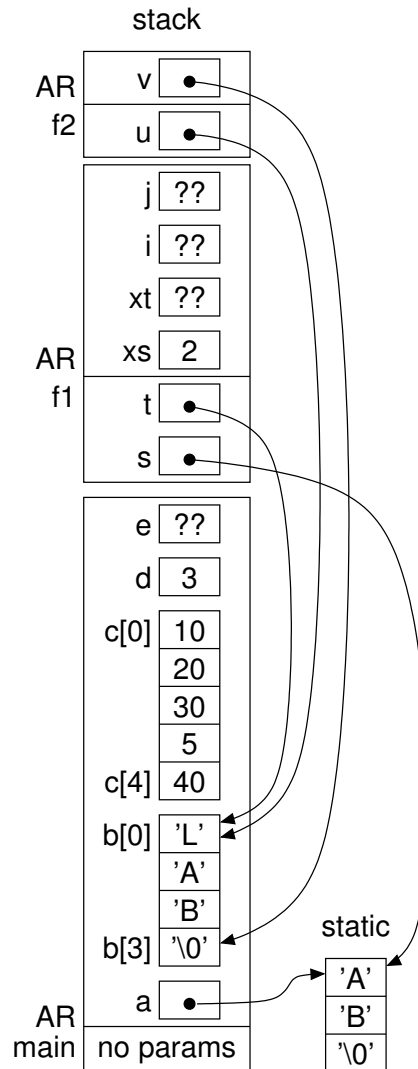
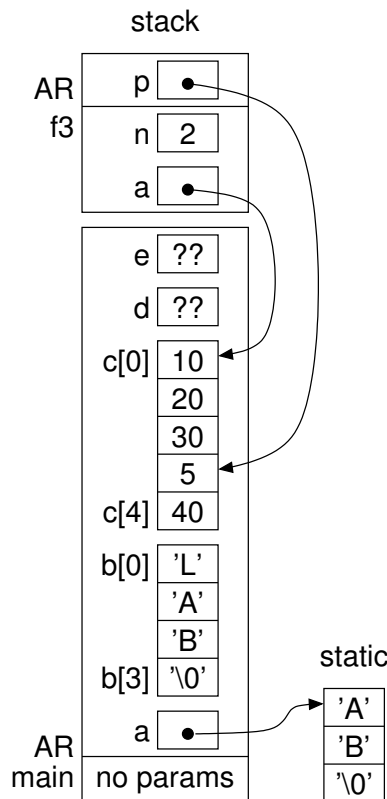


# ENCM 339 Fall 2015 Midterm: Section 5 Solutions and Remarks

second time at point two

point one



## Remarks about common mistakes:

- `b` and `c` are arrays allocated with the AR of `main`. Many students showed them as statically allocated, which is incorrect.

The type of the pointer parameter `a` is `pointer-to-const-int`. The types of the pointer parameters `s` and `u` the pointer variable `v` are all `pointer-to-const-char`. **None** of that type information indicates **anything** about what regions of memory those pointers can point to! They can point into static memory, the stack or the heap, depending on how the functions they belong to are called.

In this particular program, at the points for which you were asked to draw diagrams, they point into the stack.

- The local variable `a` of `main` is a pointer, not an array.