

Deleting a name

- Arrays are contiguous...
 - Yet we may sometimes want to remove elements that are within the array
 - That is, neither at the start or end
- This can be tricky:
 - We need to decide what to do with the resulting gap in the array.
 - If element order doesn't matter: just swap last item in array with gap
 - If element order does matter (i.e., must be preserved), then we must move all the elements beyond the gap by one position

delname

```
int delname (char *name)
{
    int i;

    for (i = 0; i < nvtab.nval; i++) {
        if (strcmp(nvtab.nameval[i].name, name) == 0) {
            memmove(nvtab.nameval + i, nvtab.nameval + i + 1,
                    (nvtab.nval - (i + 1)) * sizeof(Nameval));
            nvtab.nval--;
            return 1;
        }
    }
    return 0;

    /* Note that no realloc is performed to resize the array.
     * Do you think this action is needed???
     */
}
```