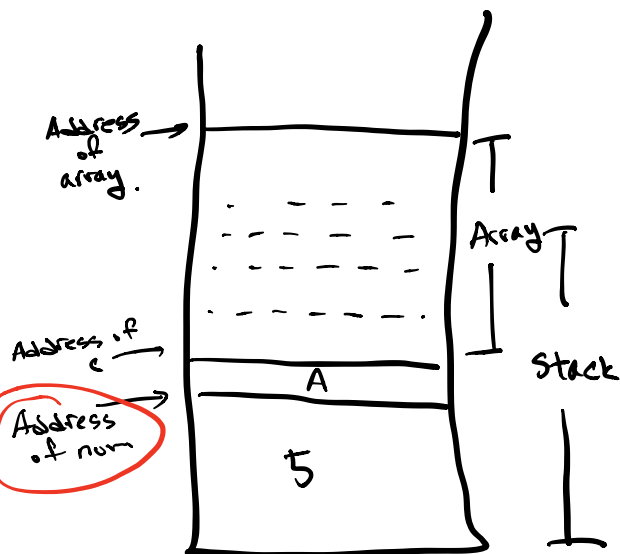


```

int main (argc, argv) {
    int num = 5
    char c = 'A'
    int array[10]
}

```

&num



* Pointer \leftrightarrow array.

int arr[10]

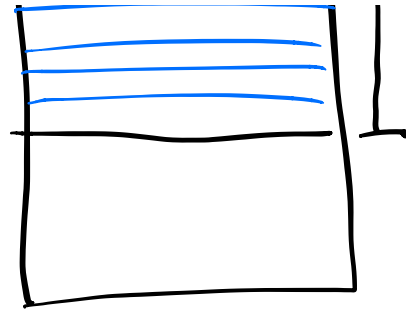
arr[0] = *arr

arr[1] = *(arr(+1))



$$*(arr+1) = *(arr+1) + 5$$

arr[5]



^{row} ^{col}
M[0][0]

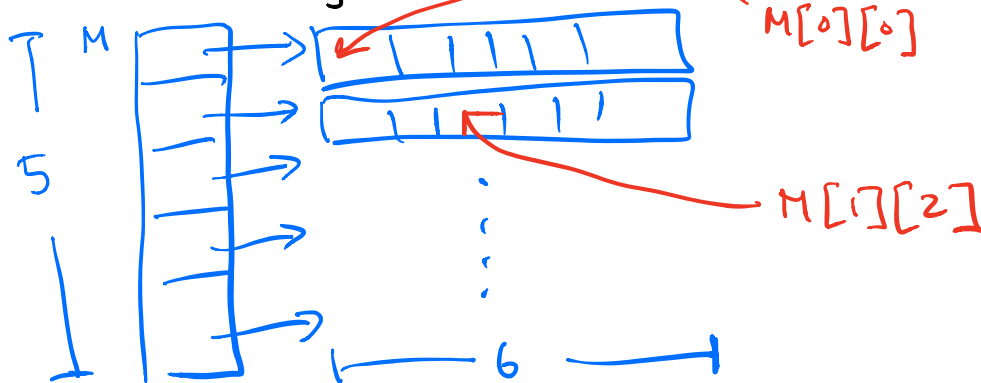
M' = M[0]

val = M'[0]

M' is pointer = M[0] is a pointer

M is pointer to pointer

M is an array of pointers.



`int** M = (int**) malloc(5 * sizeof(int*))`

`M[0] = (int*) malloc(6 * sizeof(int))`

⋮

`M[4]`

M[3][2]