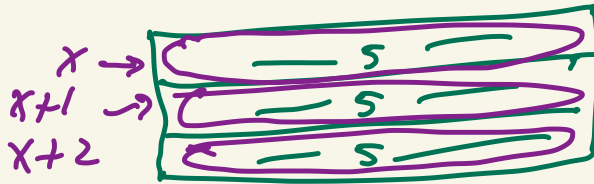
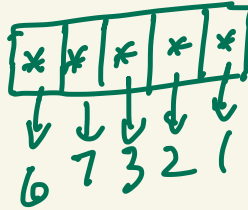


# Complex Data Declaration

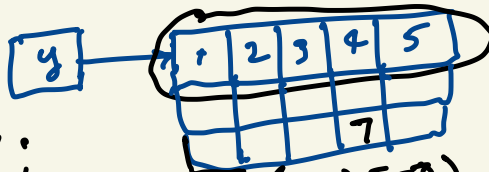
`int *X[5];`



`int (*y)[5];`

y is a ptr to [5] of int.

`int y[3][5];`



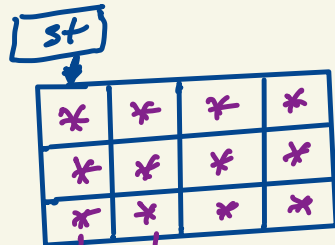
`y[2][3] = 7;`  
`*(*(y+2)+3) = 7;`

`y = ((*)[5]) malloc(...)`

// declare st?

// st is ptr to [4] of  
 // ptrs to char

`char *(*st)[4]`



↳ "..."  
 ↳ "A string"

`st = (char *(*)[4]) malloc(...);`  
 cast ↗