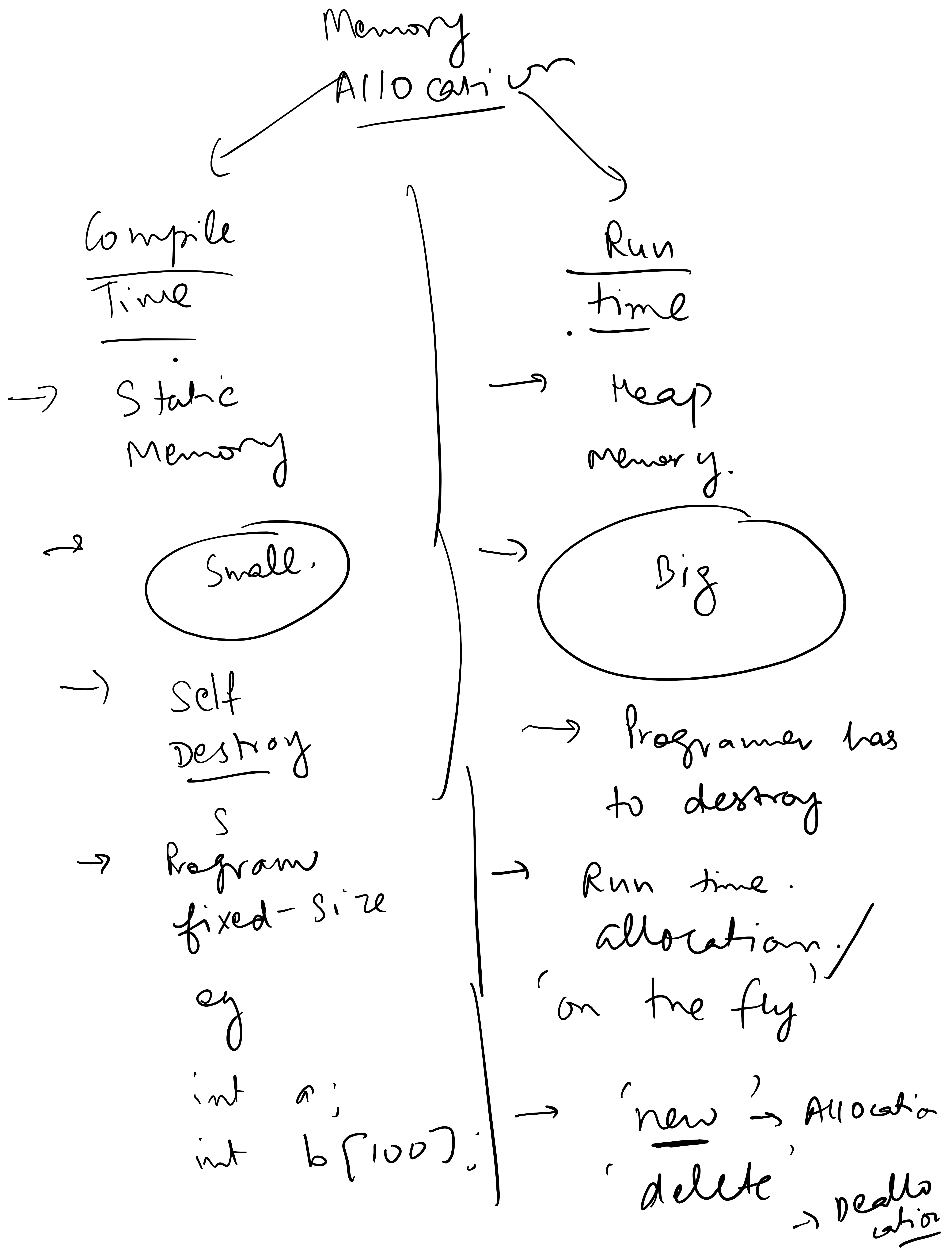
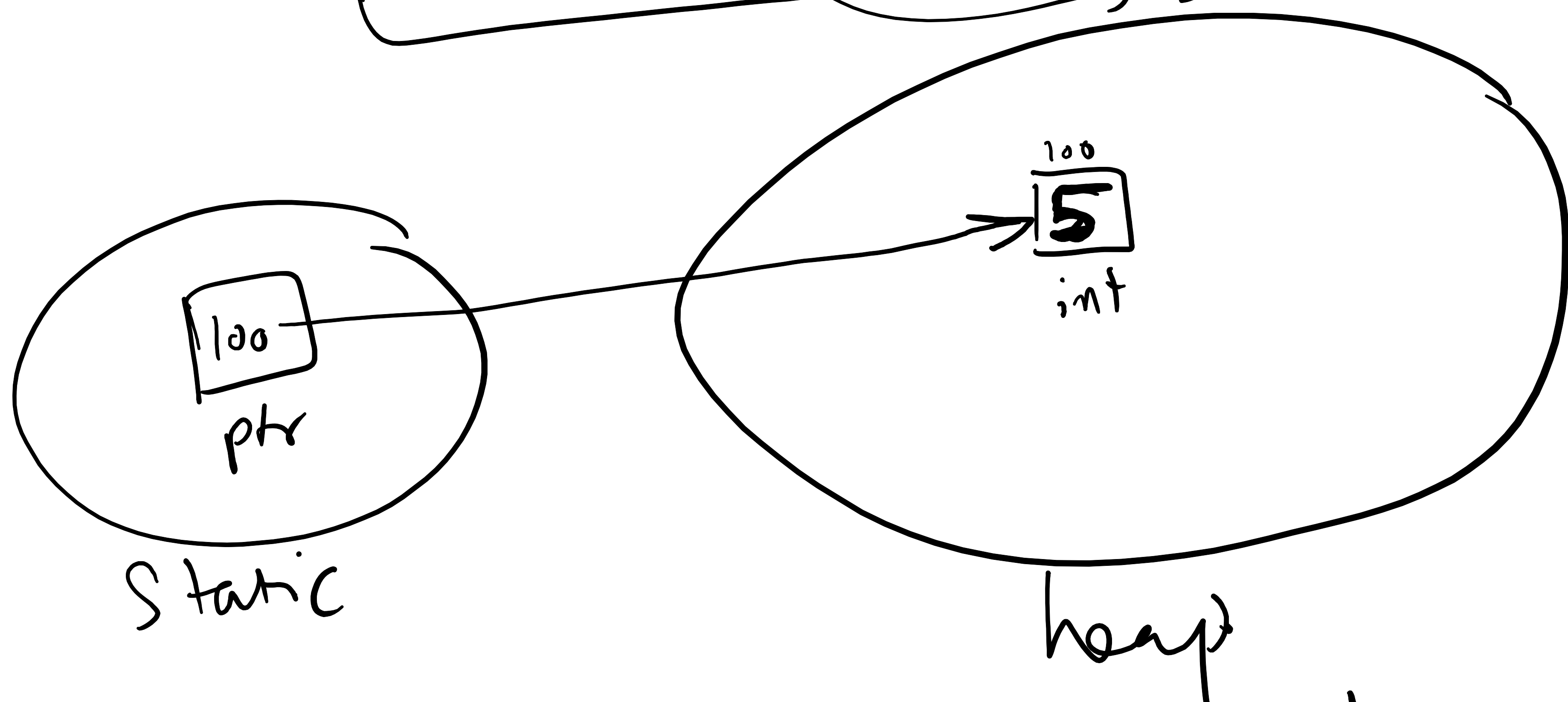


Subsequences. (Recursion)



$\text{int } * \text{ptr}$
 $= \text{new int};$

Allocates memory.
 Size

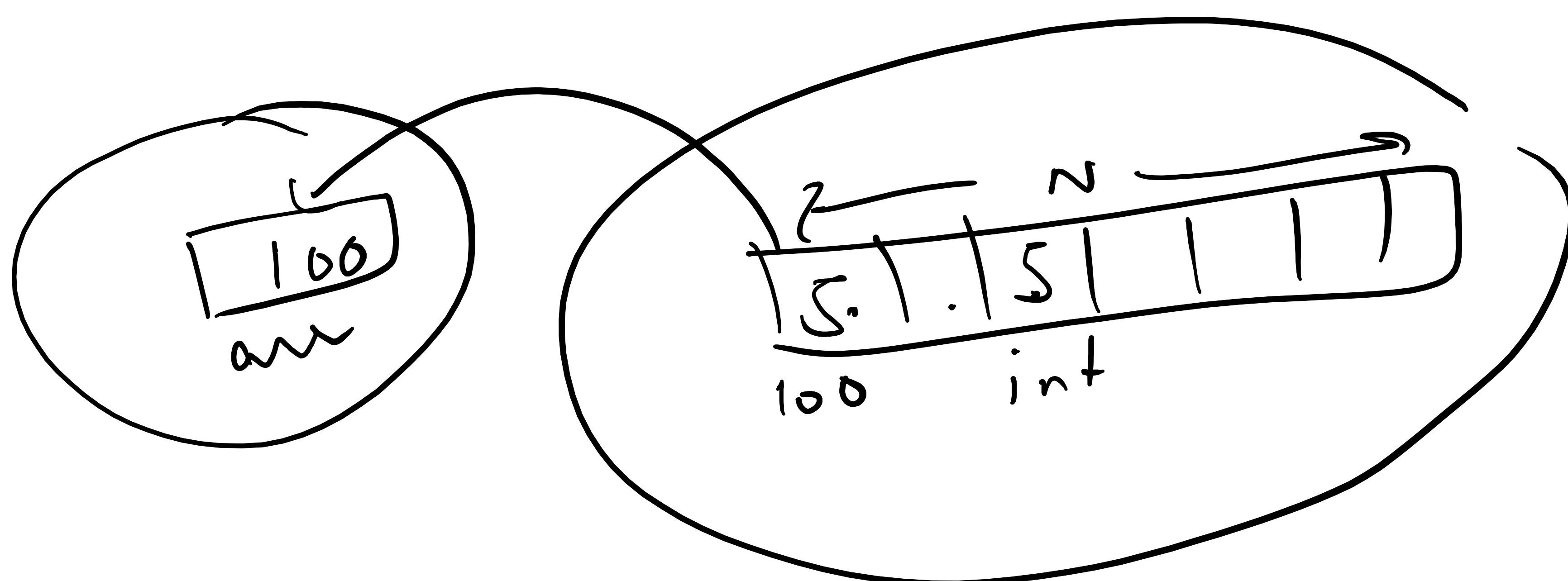


$* \text{ptr} = 5;$

$\text{int } n;$
 $\text{cin} >> n;$

$\text{int } * \text{arr} = \text{new int}[n];$

Access



$\text{arr}[2] = 5$
 $* (\text{arr} + 2) = 5$

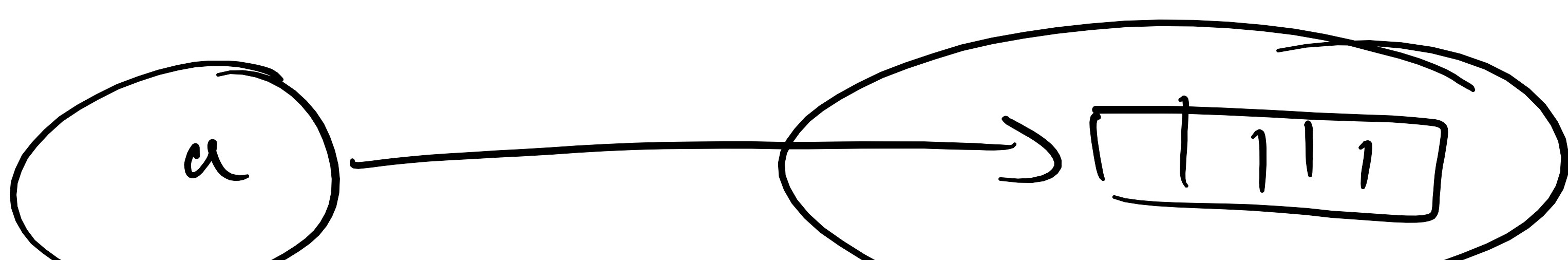
$\text{arr}[0] = 5; \checkmark$
 \downarrow
 $* (\text{arr} + 0)$

Delete

$\text{int } * \text{ptr} = \text{new int};$

$\text{delete } * \text{ptr};$

$\text{int } * \text{a} = \text{new int}[10];$



For arrays

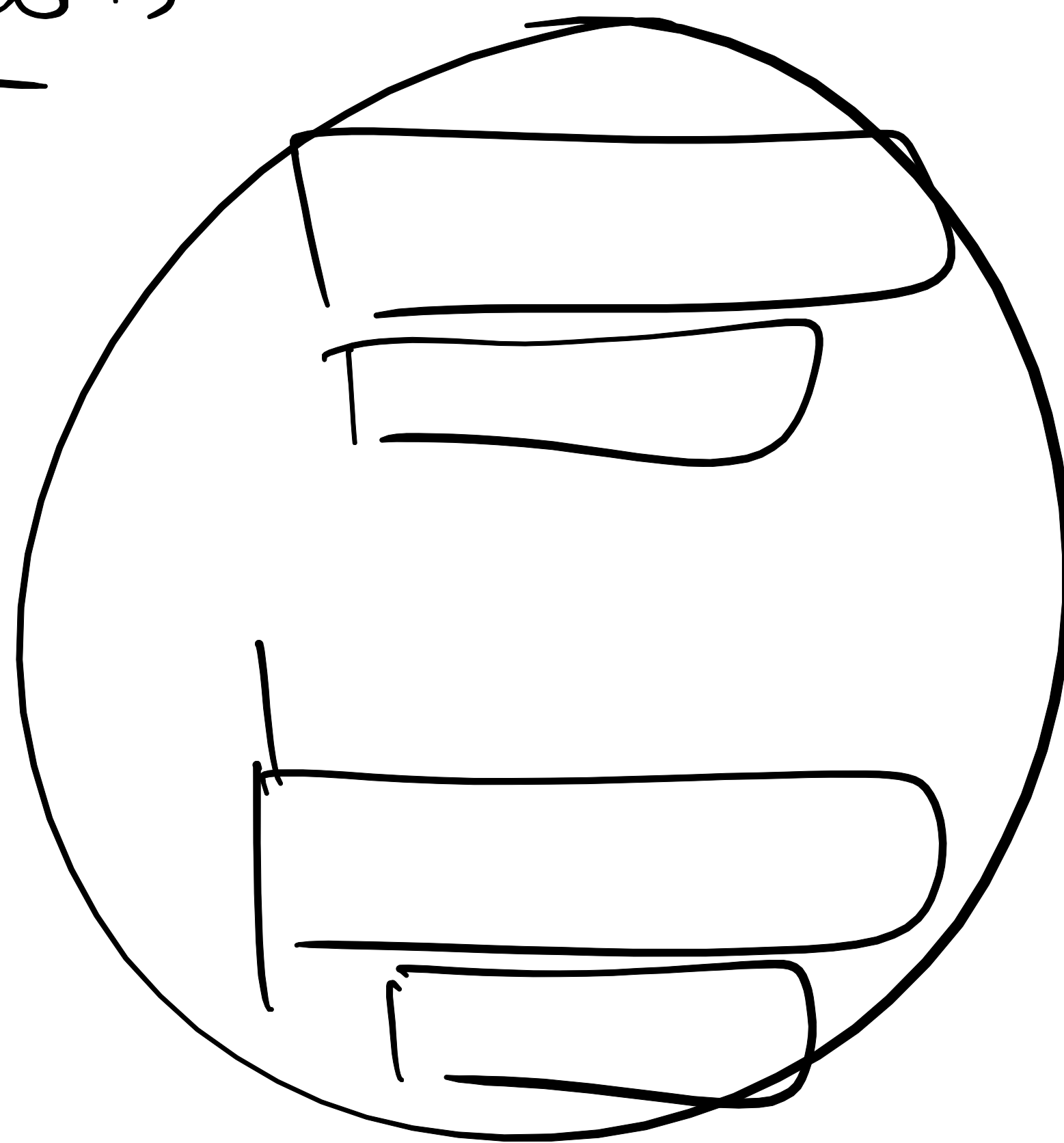
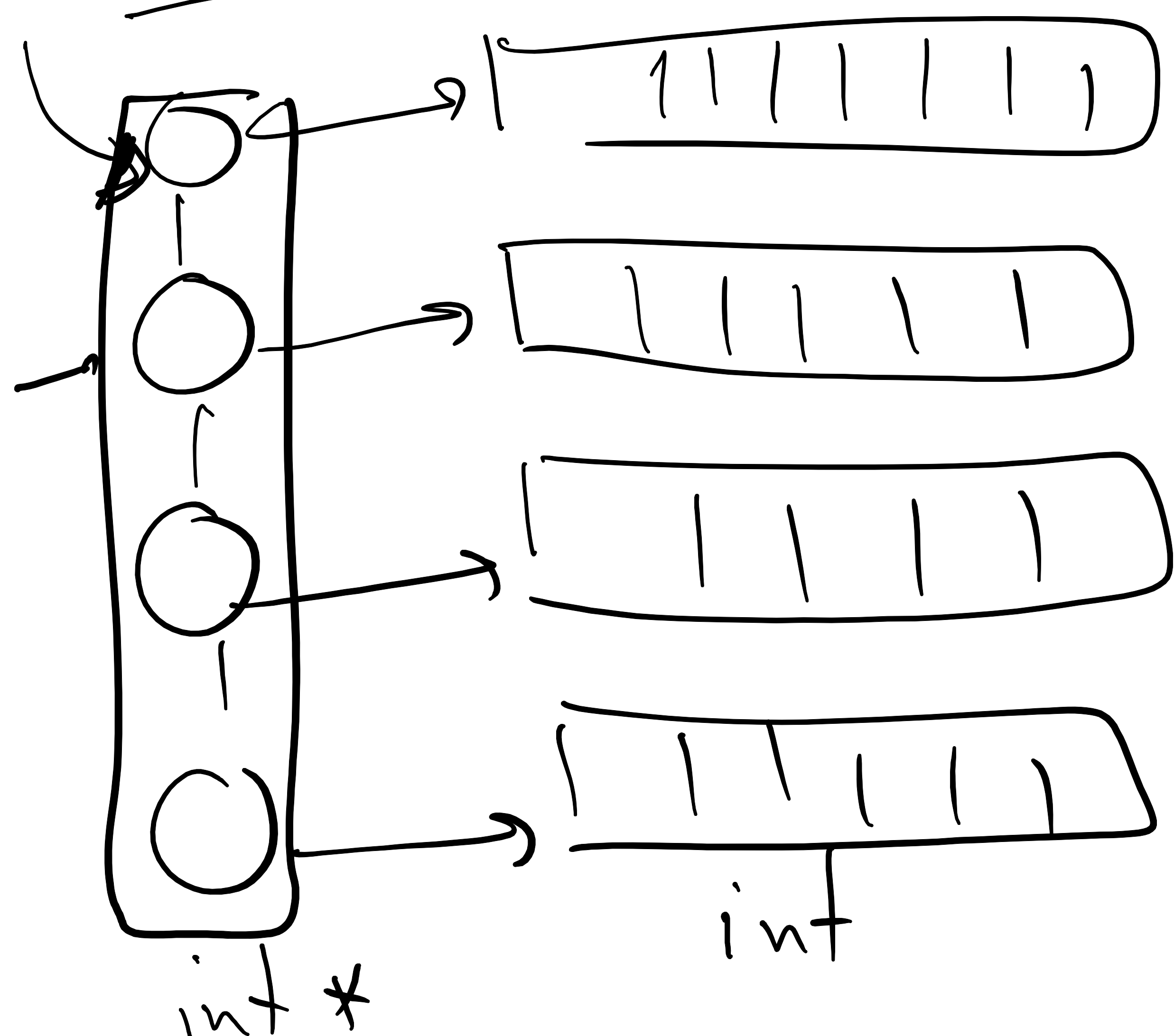
delete $[]$ a;

a = null;

free/
delete

int ** 2D-Arrays

4, 10 cols

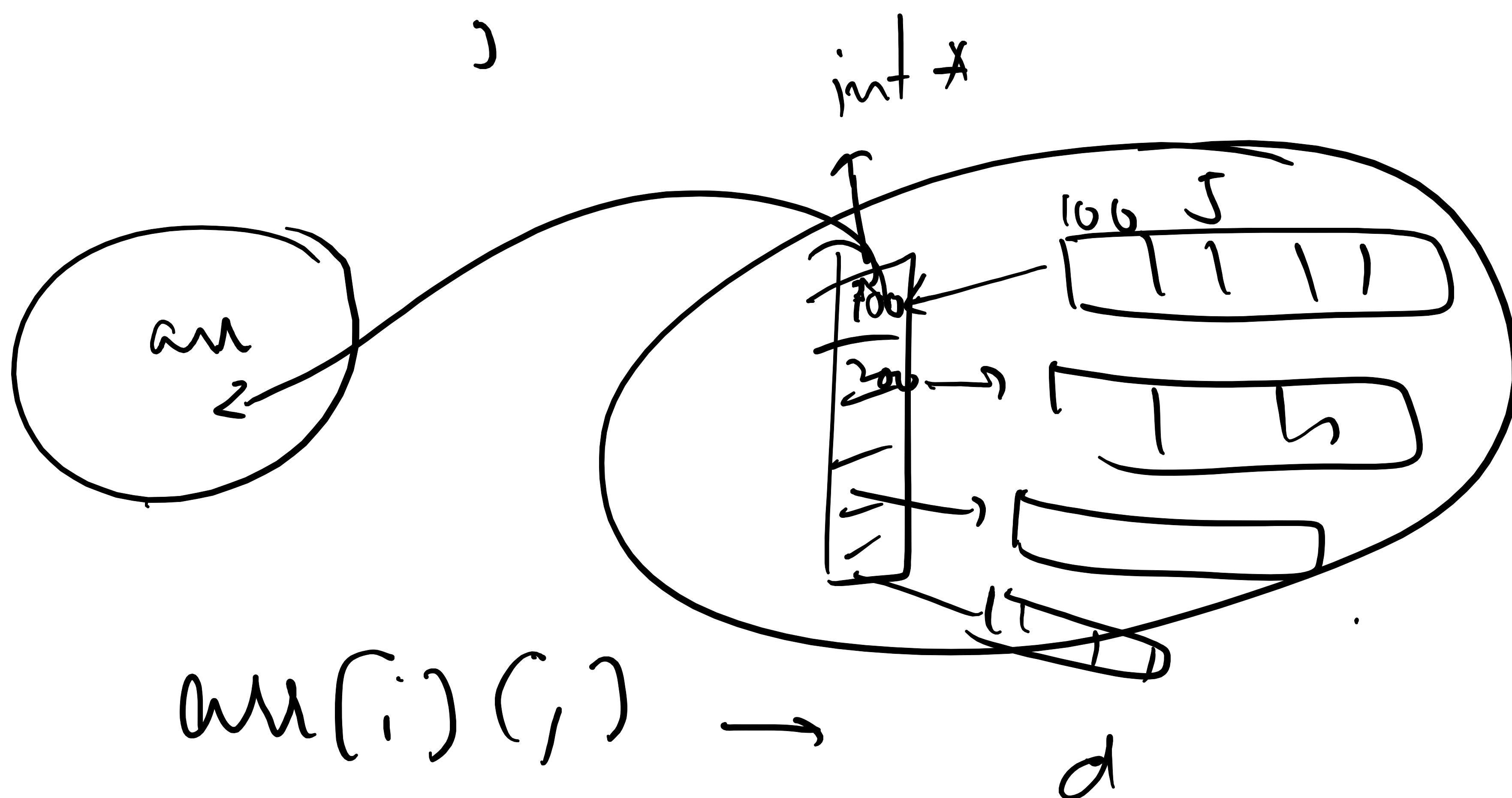


int ** arr;

arr = new int * [rows];

for (i = 0 ; i < rows ; i++)

arr[i] = new int [cols];



$d2 = c$;
 $d2. \text{equal}(c)$;
 $d2. \text{==}(c)$;
 $d2. = (c)$;

Car c ;



Car A = new Car ;

