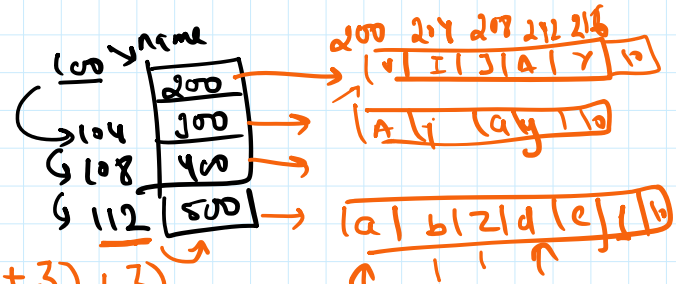
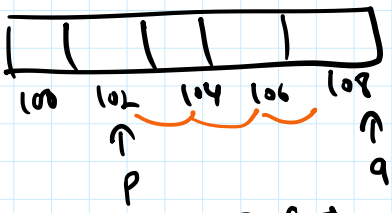
Double Pointer

char *name[] = {"Vijay", "Ajay", "abcdefgh", "ab2d"};



pointer → integer

$x[0] \rightarrow x \rightarrow *(*((100+3)+3))$



$p - q \Rightarrow 108 - 102 = 6$ Ans ✗

(100+1) → 101 → 100 → 104

45yK

100 − 102

$\frac{104+102}{2} \Rightarrow \frac{6}{2} = 3$ Ans

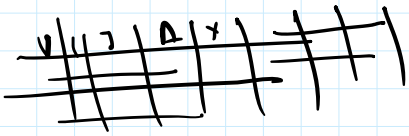
100

(100+1)

102

104

a[1][0]

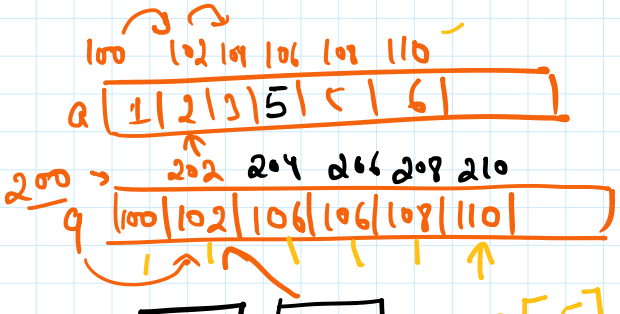


Double Pointers

int a[] = {1, 2, 3, 4, 5, 6}

int *q[] = {a, a+1, a+2, a+3, a+4, a+5}

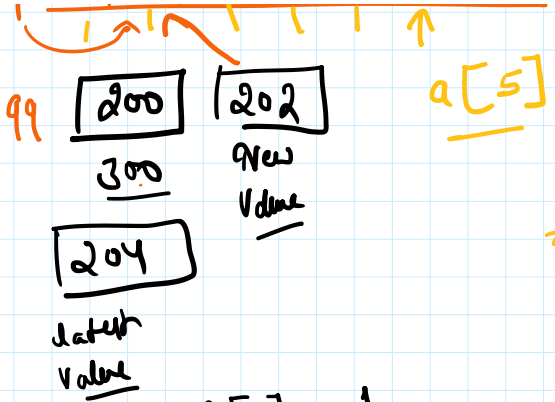
int **qq = q



(100+5) = 105 ✗

↑ 3 (110)

a[5] = *(a+5) ⇒ *q[5]



a[5] = *(a+5) → *q[5]

→ 6

↓

*110

→ **(q+5)

*(210) → *110

→ **(99+5)

a[0] = 1

Add a = 100

q[0] = 100

q = 200

99 → 200

$99 → 300

**q → *(*(200))

→ *(100)

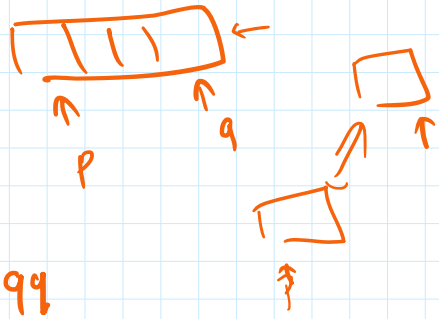
→ 1 = a[0]

(**99) → *(*(99))

→ *(*200)

*(100)

→ 1



99++;

→ 200+1 → 202

Q1 → 99 - q Ans

→ 202 - 200

→ 2/2 → 1 Ans

Q2 *99 - a

*(202) - 100

102 - 100

→ 2/2 → 1 Ans

Q3 **99

((202))

*(102)

2 Ans

(*99++) → *99++

(*99)++ X

*(99++)

*(99++)

→ (202+1)

*99++

++ → * → R-L →

z = *99++

post inc

→ *(204)

→

→ 99-9
→ 204-200
→ 4/2 → 2 Ans

*99-a
*(204)-100
→ 104-100
→ 4/2 → 2 Ans

**99
((204))
*(104)
3

a = i++
a = ++i

i++
++i

(++ *99) R-L →

++(*99)
++(*204)
104++
106

Q 99-9
204-200
→ 4/2 = 2 Ans

Q *99-a
*(204)-100
106-100
6/2 = 3 Ans

Q **99
((204))
*(104)
4 Ans

(++ **99)

++(*(*99))
((204))
*(106)
4++
5 Ans

6 Ans

→ 99-9
→ 204-200
→ 4/2 = 2 Ans

→ *99-9
→ *(204)-100
→ 106-100 → 6/2 = 3 Ans

**99
→ *(*(204))
→ *(104)
→ 5 Ans