Class 03

Saturday, July 2, 2022 11:10 PM

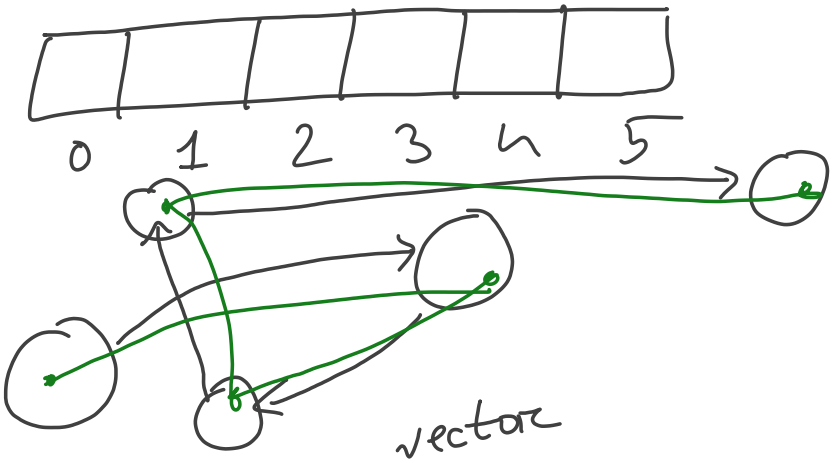
Space Complexity:

int → 4B → 32b

long long → 8B → 64b

char → 1B → 8b

double → 8B → 64b



vector

vector →

1b int arr[1]

arr[0] = 5

int ann[8];

sz = 3

arr[0] = 5; a[3] = 10

arr[1] = -3 a[4] = 1

arr[2] = 1

int arr2[2]

↳ ann2 ← ann

↳ ~~ann~~

↳ ↑ arr arr2

130

Stack

Queue

2 3 5

1 + 2 + 4 +

17 12

+ ↓ + ... + ↓

16 12

1+2+4+8+16

6 GB 128 = 127

N → 2N

$\therefore 1 \longrightarrow \frac{2N}{N} = 2$

$O(1)$

$(128-1) + 128$

$(N-1) + N$

$N + N = 2N$