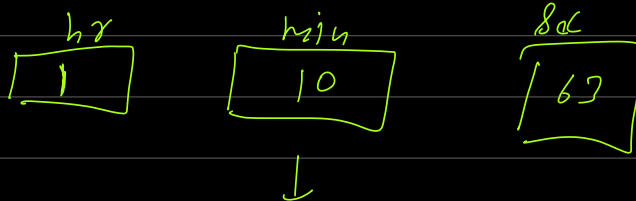## Agenda

(1)   hosted commect box

(2)   Js performance / memory Leak.
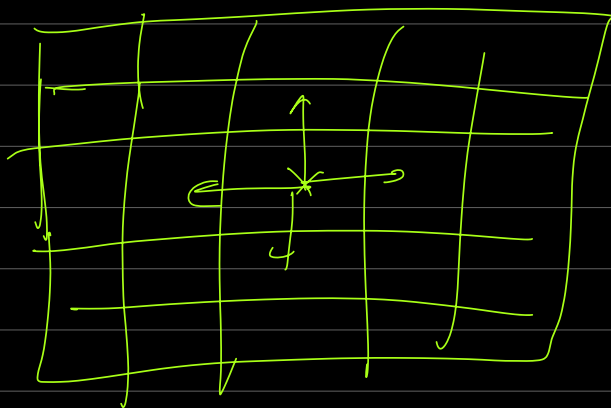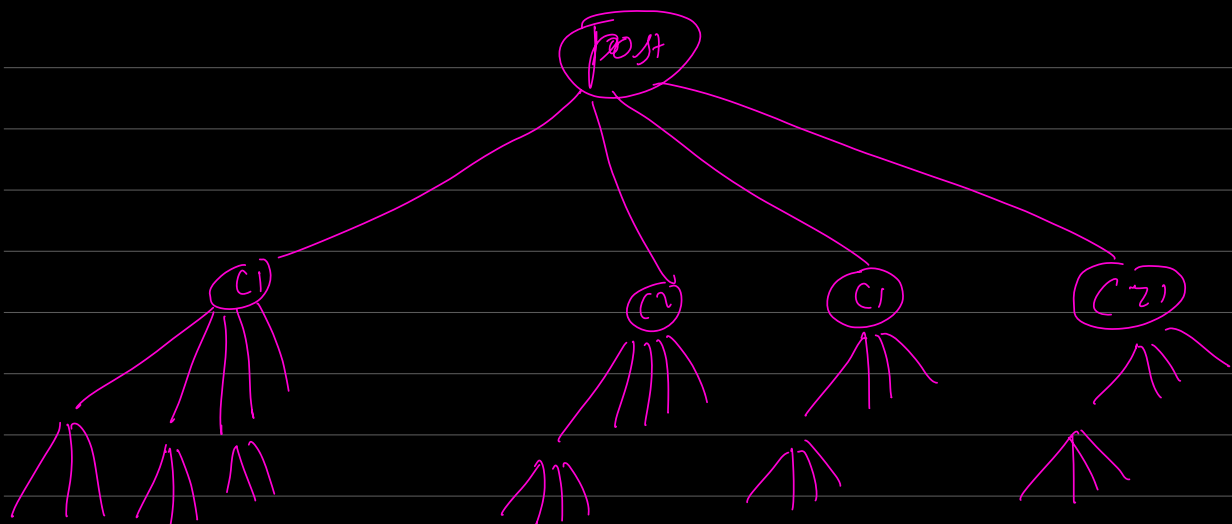
Case1

hr	min	Sec
1	10	63

| 1 | 11 | 3 |

Case 2

2	1	03
1	60	63

61

60se

60min

Case 3

1hr	1min	
94	60	63

1day

61

1hr

min

? → (throw Exception)

total seconds in a day = X

$$\boxed{countdown\ time > X}$$

$$\left(countdown\ time \leq X \right)$$

past

→ ①
   → ② → ③ → ④ → ⑤ → ⑥
   → ③ → ④ → ⑤
   → ④ → ① → ② . . . .

→ ②
   → ③ → ⑤ → ⑤ → ⑥
   → ③ → ⑤ → ⑥

post

C1   C2   C1   C21

(direction vector)

        J
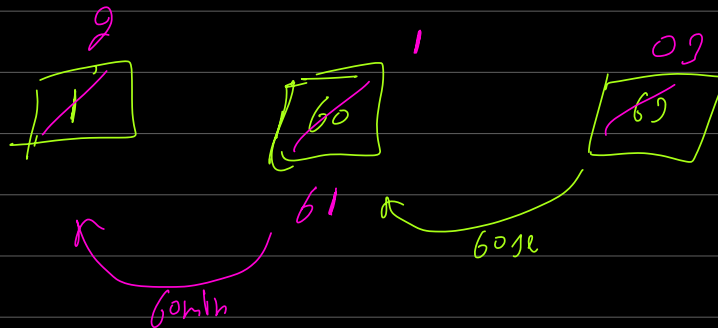
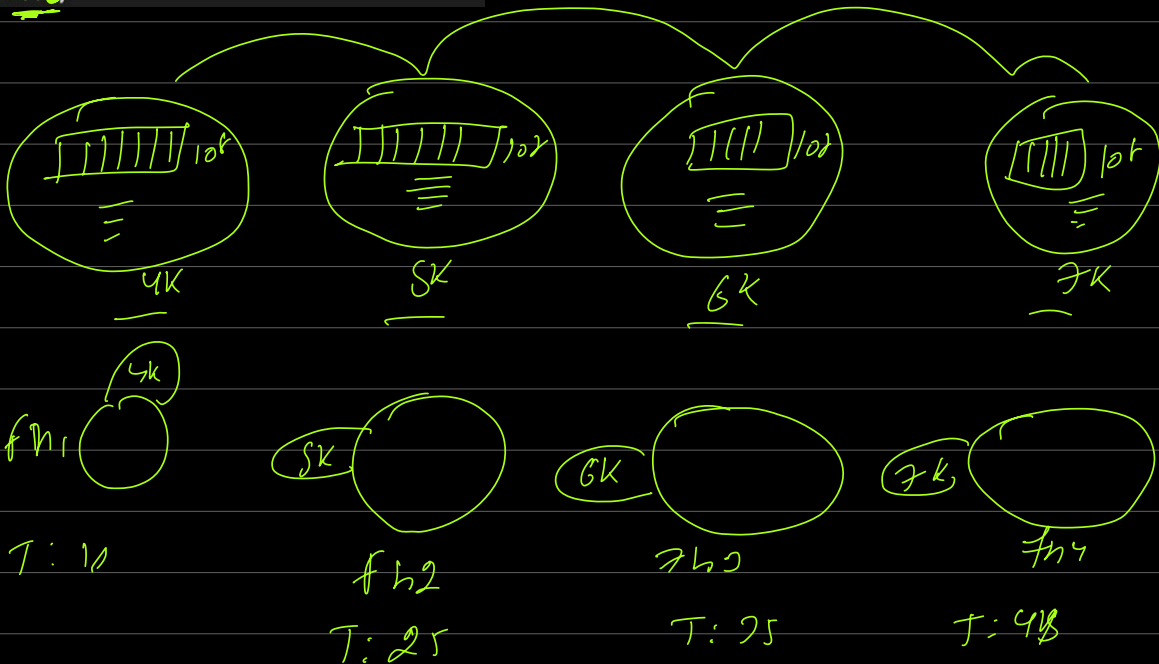(vector)

```javascript
let theThing = null;
let replaceThing = function(){
    console.log("Something");
    let originalThing = theThing;
    let unused = function(){
        if(originalThing){
            console.log("Hi");
        }
    }

    theThing = {
        longStr : new Array(100000000),
        someMethod : function(){
            console.log("Bye!");
        }
    }
}

setInterval(() => {
    replaceThing();
}, 1000
```

(handwritten) theThing = both 4K 5K 6K 2K

(handwritten labels) 4K   5K   6K   7K

(handwritten) fn₁ 4k   T: 10
5k fn2 T: 25
6K 7h3 T: 75
7k, fn4 T: 48

```javascript
let a = document.querySelector("h1");
let b = document.querySelector("p");

// console.log(a);
// It will remove the node from the tree.
a.remove();
// console.log(document.querySelector("h1"));

// a = null;
console.log(a);
// console.log(document.querySelector("h1"));
```

$b = 1k$

$a = 2k\,null$

DOM

Body

b $1k$

$b1$ $2k$