

Ques

0	1	2	3	4	5
10	1	3	9	10	2

$n \Rightarrow 10$

↑  
⋮

Not found

found = ~~false~~ ~~T~~ T  
 $\Rightarrow$  0 4

0	4
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Ques Min cut tree

1	2	1	2
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$k \Rightarrow 2$

$$t_1 + t_2 + \dots \leq k$$

$(n) \rightarrow$

$n = 1$

$$1 + 1 \Rightarrow 2 \leq k$$

$$1 + 2 + 1 + 2 \Rightarrow 6 \leq k$$

$n$

$$0 \rightarrow t_1 + t_2 + t_3 + \dots \leq k$$

$$1 \rightarrow$$

$$2 \rightarrow$$

$$n = n$$

$$k \Rightarrow 5$$

9 3 2 5 4 7

	0	9	3	2	5	4	7	$\Rightarrow 30$
$n \Rightarrow$	1	8	2	1	4	3	6	$\Rightarrow 24$
	2	7	1	0	3	2	5	$\Rightarrow 18$
	3	6	0	0	2	1	4	$\Rightarrow 13$
	4	5	0	0	1	0	3	$\Rightarrow 9$
	5	4	0	0	0	0	2	$\Rightarrow 6$
	6	3	0	0	0	0	1	$\Rightarrow 4$



$p \leq \text{int length Cut}$

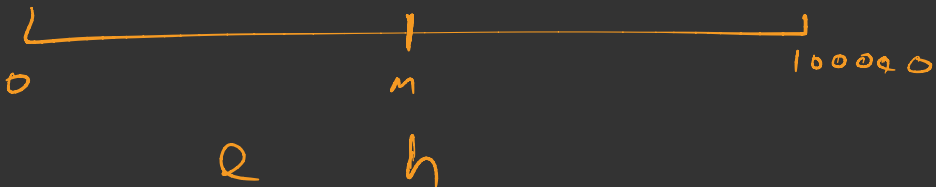
$$n \boxed{100000} \quad 10^3 \approx 2^{10} \quad \overbrace{1000000}^{10^6} \Rightarrow 2^{10+10} = 2^{20}$$

$$\log_2(2^{20}) = 20 \quad \log_2^2 \Rightarrow 20$$

$$l = 0$$

$$h = 10^5$$

$$m \approx l + h / 2$$





2 3 5 9 10

A

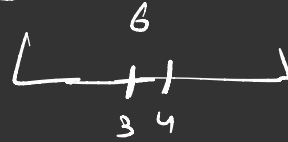
i

4 7 10 12

B

j

S



odd  $\Rightarrow$  middle  $\Rightarrow$   
even  $\Rightarrow$  avg of 2 middle } median

2 3 4

k

$(n+m) \log(n+m)$