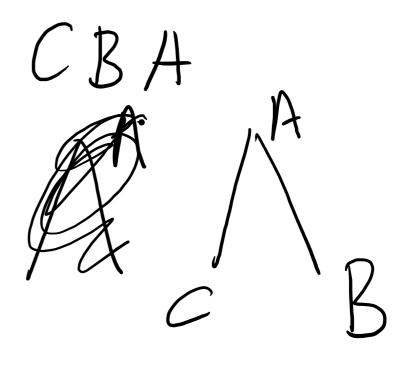
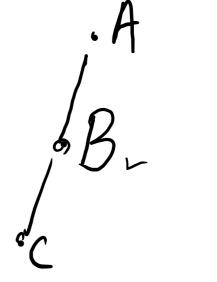
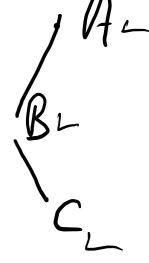


ABC ABC

A)
B







 $h+1 \leq \eta \leq 2^{h+1}$ $\log(nt)$ -in $\leq n-1$ maxh h < n -1

 $M+1 \leq 2M+1$ n+1=2ht n+1=2h+1 his O(hjn).

Balanced BT

+ 1 = 2h h > (logo) h
b
dn his o(hgn)

$$N(n) = \sum_{k=0}^{n-1} N(k) \times N(n-1-k)$$

$$> N(0) N(n-1) + H(n-1) \times N(0)$$

$$> 2N(n-1)$$

$$> 2^{2}N(n-1)$$

$$> 2^{2}N(n-2)$$

$$> 2^{2}N(n-2)$$

$$> 2^{n-1}N(1) > 2^{n-1}$$

L(i) = 2i+)

N=1018. CBI

Level (i)

0(hgn). While (i) 0) 1+1; i=i=1/2

CB 5 O(hgn) O() Spare 9