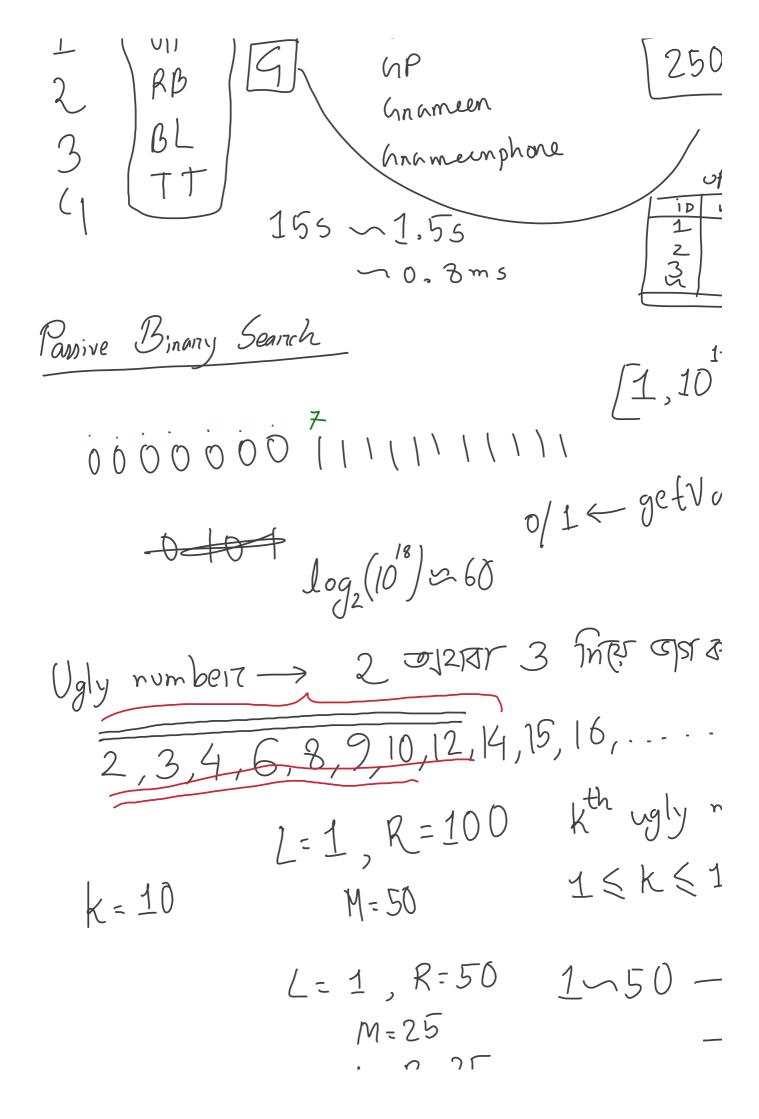
Saturday, July 16, 2022 10:01 PM

Binary Search -> Seanching Technique $\times \log_2(10000)$ 10($\Rightarrow \log(N) = \log(2^k)$ -- K = log 2(N)

(P

GRAMEENPHONE



$$\begin{pmatrix} L + R \\ 2 \end{pmatrix}$$

$$L + \begin{pmatrix} R - L \\ 2 \end{pmatrix}$$

$$L=1, K=25$$
 $M=13$
 $L=14, R=25$
 $M=19$
 $L=14, R=19$
 $M=16$
 $L=14, R=16$
 $M=15$
 $L=14, R=15$
 $M=14$
 $L=15, R=15$
 $M=14$
 $M=15$
 $M=15$
 $M=14$
 $M=15$
 $M=15$
 $M=15$
 $M=15$
 $M=14$

1 2 2 5 6 +

Polland 9h0

B(3) =

3 N x logN