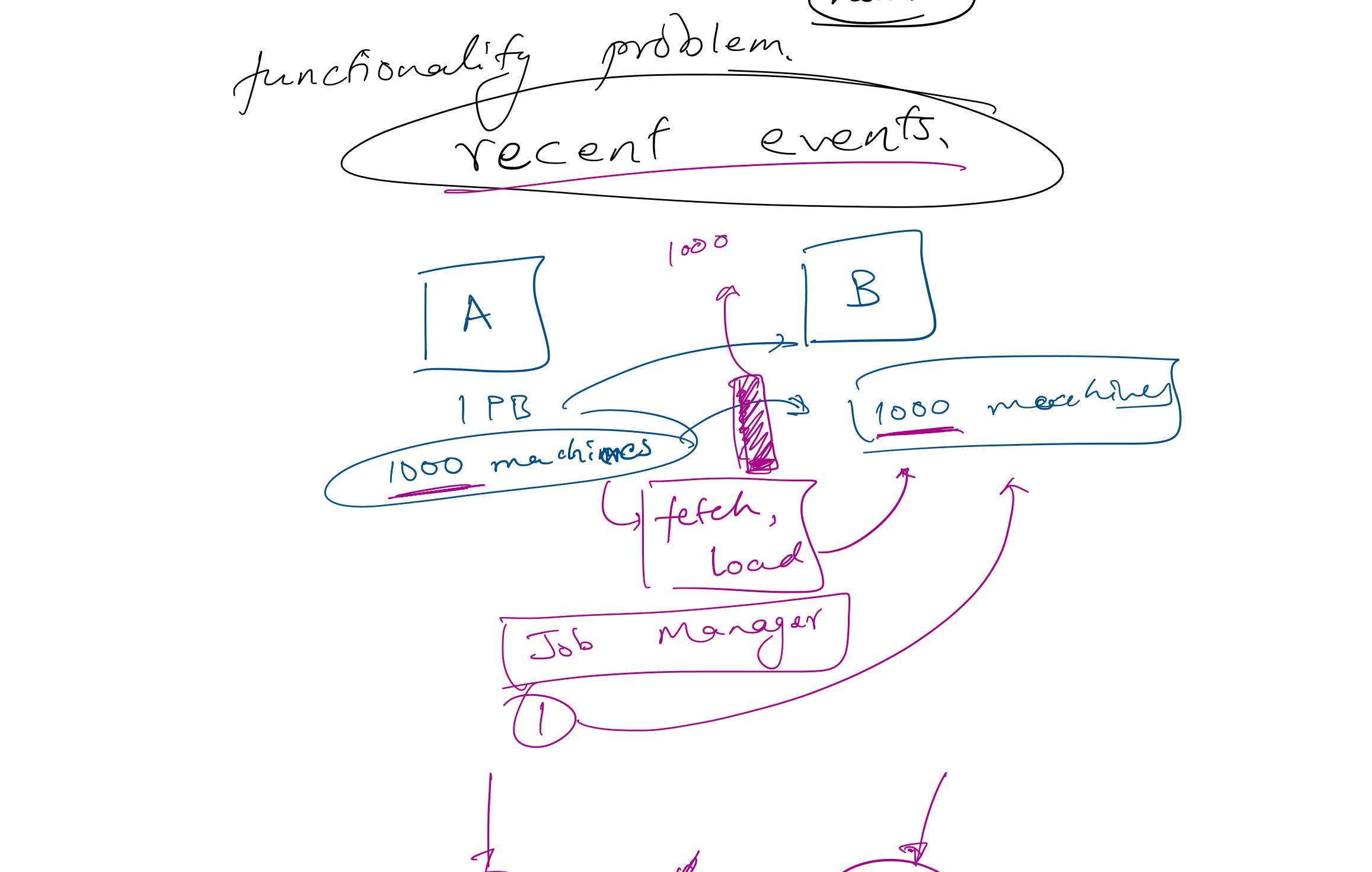
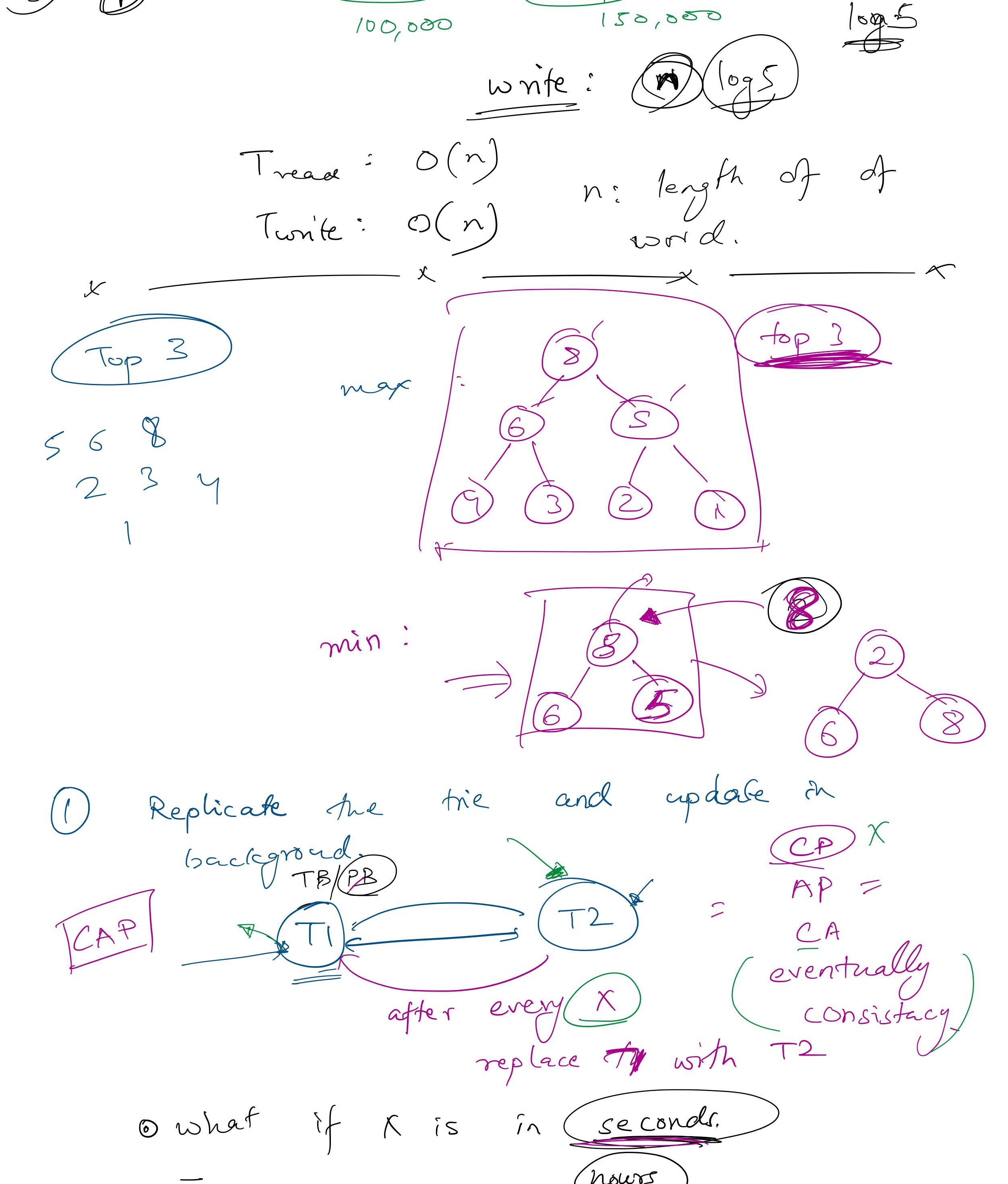
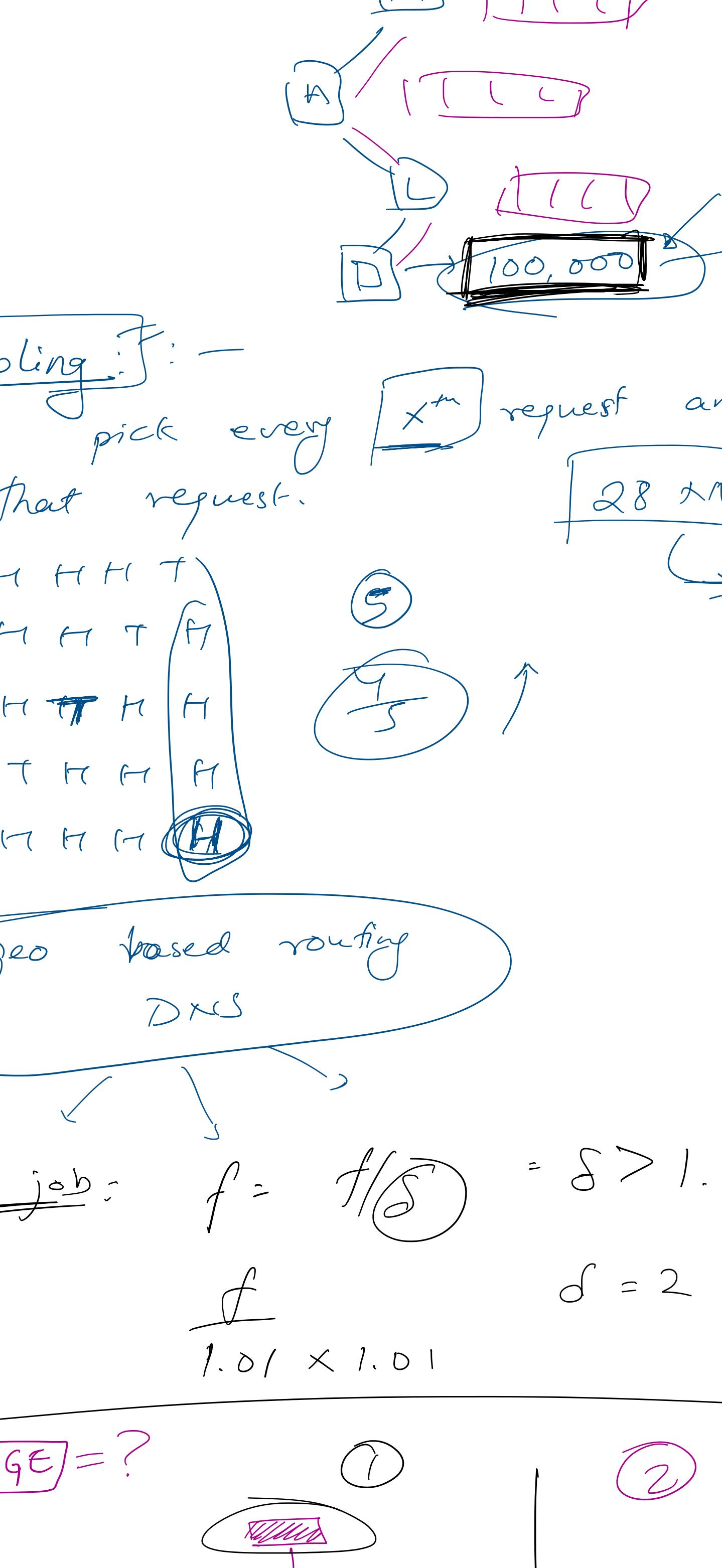


- ① All suggestions will have a typed text as a strict prefix. - (No spelling mistakes)
 - ② Suggest based on most popular search queries.
- (1) Find top 5 popular queries (X) as a prefix]=
- (2) Update the freq for a hit.



- ① Replicate the trie and update in background. TB/PB
- CAP → T1 → T2
- after every X replace T1 with T2
- what if R is in seconds. hours
- functional problem recent events.



- ② (hashMap)
- word, freq
- Donald, 100
- CAP
- Trie
- $O(1)$

