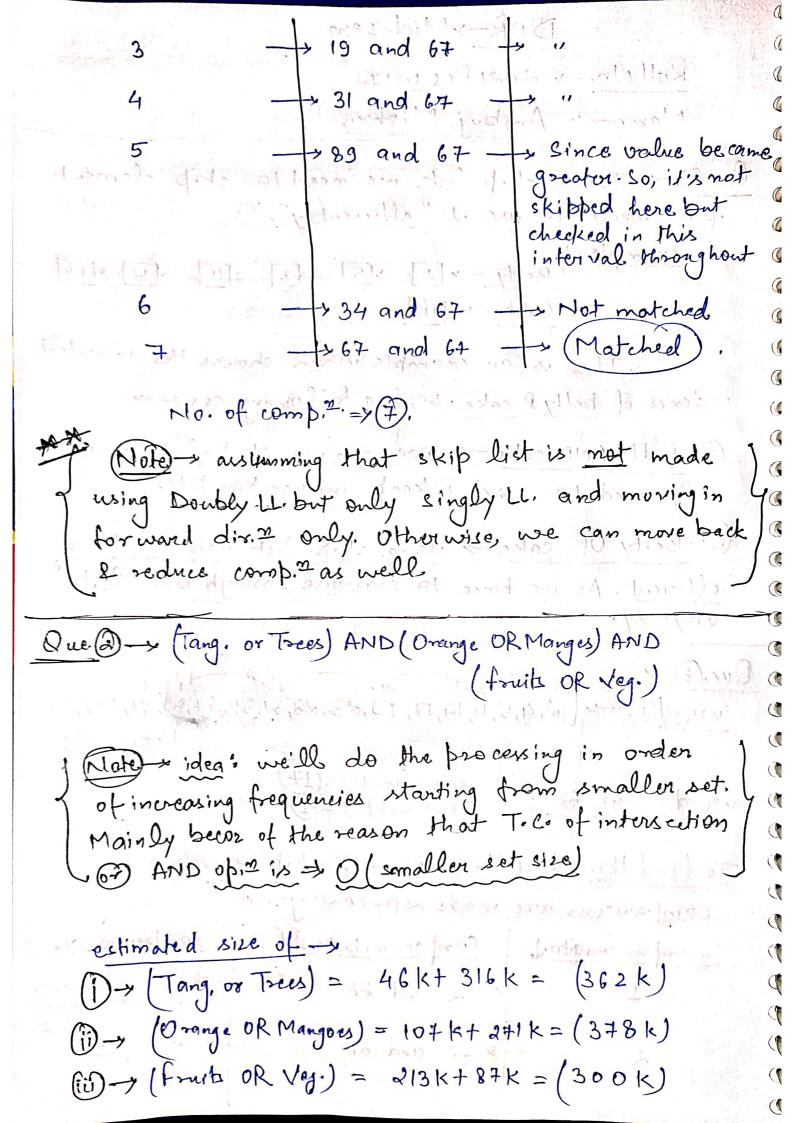
Roll No: -> 2021 PCI 1017
Mame -> Ambuj Mishou
QueD - Touse skip-list, we need to skip element
if we want to use it "efficiently".
Betty > 1 > 16 Cake > 11
- This is an example which chows the involve
index es of betty & cake. So, just foredwing
Only med to search & keep intersection 1sts.
only need to search & keep intersection 1ts.
B. Betty OR cake -> Using skip-list will not be officient. As we have to transvise through both lists anyway.
efficient. As we have to transvise through both liets
anyway.
Que (3) -> [2,4,5,11,14,17, †9,23,28,31,34,64)89,91,145,
word 2) -> [67]; size (word 2) = (1)
To find the intersection with exip length = 3,
companisons avre made as following
comparison North Comparison Detail La Comparison Result
2 and 67 - skip 3 values buoz Lesser no.
2 11 and 67 (10) ",)
42000) - 410 1210 m (101/20 10 10 10 10 10 10 10 10 10 10 10 10 10

DoiR-Mid-sem



we need to calculate - (i) AND (ii) AND (ii)
Bueny processing order - (11). ANDO Y AND (1).
-> we'll take intersection of smallest set (ii). with
-> We'll take intersection of smallest set (ii). with (i). I then intersect it with (i).
Modifications . D. We can use term frequency as well. which will give directly idea about it's porting 1:2e
well. which will give directly ideadout it's
porting lize
(i). We foreborsumed have to our ume that
X OR Y = size (x) + size (Y); although it's not
always true. As 2 sets having values 4 990 value
will have higher probability of resulting in larger
union sets than 2 sets with 500 values, All sough
cia of a live and lie smaller. (Depends upon similarity).
size(x) +size(x) is smaller. (Depends upon similarity).
Que 3 -> step -> Tokenization -> And [Normalization]
Que B -> step -> Tokenization -> And [Normalization]-
Que B -> step -> Tokenization -> And [Normalization]-
Que B -> step -> Tokenization -> And [Normalization]-
Que 3 -> step -> Tokenization -> And [Normalization] Doc 0 -> ["Betty", "bought", "a", butterscotchcake] Doc 0 -> ["The", "cake", "wees", "very", bitter] Doc 3 -> ["Betty", "returned", the "cake los", the cake, was bitter]
Doc (1) -> step (1) -> Tokenization -> And [Normalization] - Doc (1) -> ['Betty', 'bought', 'o', butterscotchcake] Doc (2) -> ['Betty', 'cake', 'was', 'very', bitter'] Doc (3) -> ['Betty', 'returned', the', 'cake los', the', cake, was bitter'] Doc (4) -> ['Betty', 'got', 'a", 'new', 'cake los', and contd',
Que 3 -> step -> Tokenization -> And [Normalization] Doc 0 -> ["Betty", "bought", "a", butterscotchcake] Doc 0 -> ["The", "cake", "wees", "very", bitter] Doc 3 -> ["Betty", "returned", the "cake los", the cake, was bitter]
Que 3 - step -> Tokenization -> And [Normalization] - Doc 0 -> ['Betty', 'bought', 'a', butterscotchcake] Doc 0 -> ['Betty', 'cake', 'neas', 'very', bitter'] Doc 3 -> ['Betty', 'returned', the', cake los, the, cake, was bitter'] Doc 4 ['Betty', 'got', 'a', 'new', cake', "and could', 'the', 'party']
Que 3 - step -> Tokenization -> And [Normalization] - Doc 0 -> [Betty, "bought", "a", butterscotchcake] Doc 0 -> ["Betty", "cake", neas, nery" bitter] Doc 3 -> ["Betty", "returned", the "cake los", the cake, neas Doc 4 -> ["Betty", "got", "a", "new", cake "and contd", "the", "party"]
Doc (1) -> step (1) -> Tokenization -> And [Normalization] - Doc (1) -> [Betty, bought, 'o', butterscotchcake] Doc (2) -> ["Betty, cake, weas, very", bitter] Doc (3) -> ["Betty, returned", the, cake los, the, cake, was Doc (4) -> ["Betty, got", "o", new, cake, and contd",

Dictionary parting.

