154 Jan 2022 (saturday) 2 batches -> PP10 +PP11 Tues, thursday, Sat, sun Yc/weeks -> 3 hours 28 classes 8 6 3 4 6 ASS, SS, Tries, Sna, Bits,

tues, thursday -> 5 to 8 6-7 weeks 11-2-)12 (2 monts) sut, sun -> 11-2 or 5-8

timings;

K Anagrams

si: abccda

s2; a a b j d j

51 -> (<-> 1) x2

k = 3

ababc Jadk SI ' 84. 012 = 1c abccb d d m c 52: a a a b b E a d J k mo a 3 b 2 c 1 d 1 J 1 k 1 mo a 3 b 2 c 3 d 1 J 1 k 6 m 1 (2) 0 -2 0 0 (1 reg. opr = 3

\2D=0

$$D'sz$$
 $(a_1 - a_2) + (b_1 - b_2) + \cdots (z_{1} - z_{2})$
 $z = (a_1 + b_1 + c_1 + \cdots z_{1}) - (a_2 + b_2 + c_2 + \cdots z_{2})$

~ len (51) - len (52)

si; ababc Jadk a3...ci

52: abc c b J d m c a1....c3

2 -2

```
for(char ch : str1.toCharArray()) {
   int nf = map.getOrDefault(ch,0) + 1;
   map.put(ch,nf);
for(char ch : str2.toCharArray()) {
   int nf = map.getOrDefault(ch,0) - 1;
   map.put(ch,nf);
int ro = 0;
for(char key : map.keySet()) {
   int val = map.get(key);
   if(val > 0) {
       ro += val;
return ro <= k;
```

S1:
$$0 - 3 = 2$$

 $0 - 2 \neq 0$
 $0 - 2 \neq 0$

49. Group Anagrams

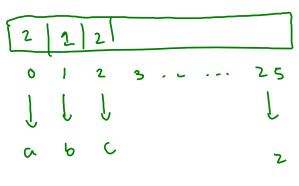
```
Input: strs = ["eat","tea","tan","ate","nat","bat"]
Output: [["bat"],["nat","tan"],["ate","eat","tea"]]
```

```
Input: strs = ["eat","tea","tan","ate","nat","bat"]
Output: [["bat"],["nat","tan"],["ate","eat","tea"]]
```

MM < Jmap, Al < string > > map; hash map 2 e-1 a-1 — eat, tea, ate equals, hashcode $\begin{pmatrix} t-1 \\ \alpha-1 \end{pmatrix}$ -) tan, not

abab cdoc baab aabb odcc e9' get Ice y

92 61 62



get key (string str) ?

Group Shifted Strings

kmo, acj, nps, xtv., cde, Inq [Kmo, rtv], [ac], nps, lng], [cde]

same shifted seq abcde Jghij 14 q y s t acl, bdg, egj v w x y ato' cto' 1to'

kmo, acd, nps, xtv., cdej, lnq, yzab $\frac{1}{L} = \frac{2s}{L} \qquad \frac{1}{(-2s + 2s) \cdot 1 \cdot 26} - 2$ Jorward -> -ve abcde back wond of tre J g h ; j 243 -> acl, nps, lng d m n o 2# 2 -> 8tv, kmo Pyst IHIHI-> cdel, yzab u v w x y