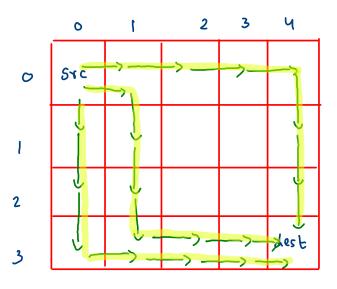
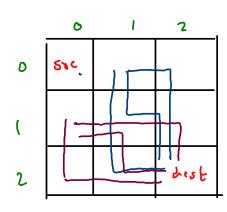
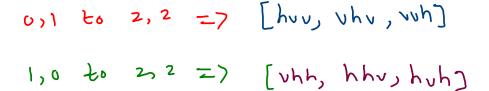
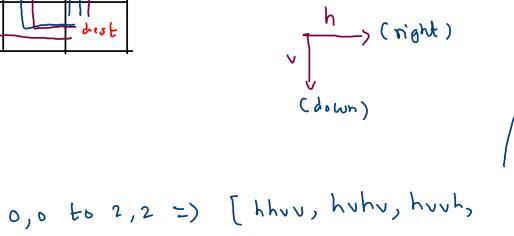
got poths

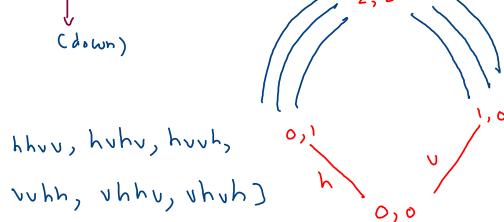


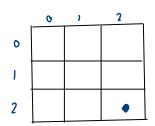
[hhhhvvo, hvvvhhh, vvohhhh)



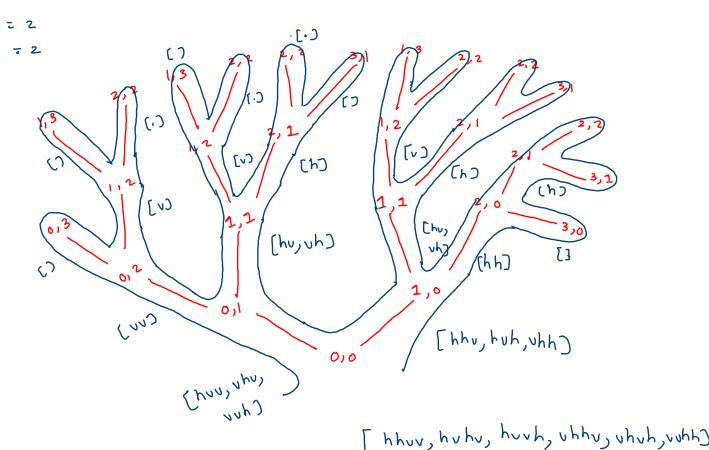




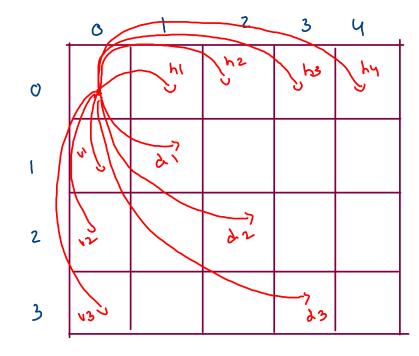


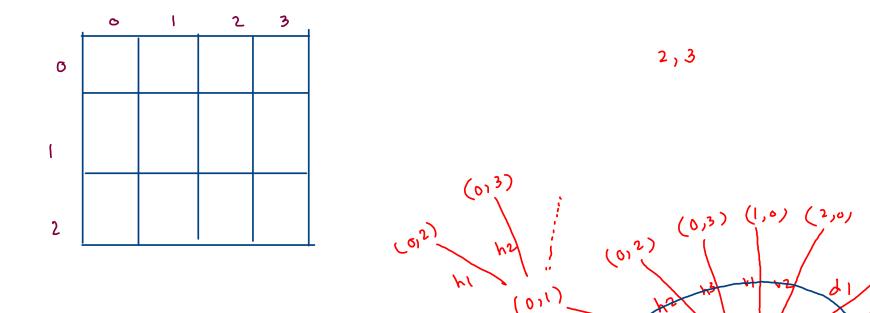


```
public static ArrayList<String> getMazePaths(int sr, int sc, int dr, int dc) {
    if(sr == dr && sc == dc) {
        ArrayList<String>bans = new ArrayList<>();
        bans.add("");
       return bans;
    if(sr > dr | | sc > dc) {
       ArrayList<String>bans = new ArrayList<>();
       return bans;
    ArrayList<String>hntod = getMazePaths(sr,sc+1,dr,dc); //horizontal nbr to dest
    ArrayList<String>vntod = getMazePaths(sr+1,sc,dr,dc); //vertical nbr to dest
    ArrayList<String>stod = new ArrayList<>();
    //src to dest -> 'h' + horizontal nbr to dest
    for(int i=0; i < hntod.size();i++) {</pre>
      stod.add('h' + hntod.get(i));
    //src to dest -> 'v' + vertical nbr to dest
    for(int i=0; i < vntod.size();i++) {
       stod.add('v' + vntod.get(i));
   return stod;
```



maze posth voriable jumps





42

0,0

on the way down (Jaith & expect.)

int factorial (int n) 1

if (nzzo) return 2;

int fami z factorial (n-1);

int Jnmiz Jactorial (n-1);

int Jnz ny Jnmi;

return Jn;

nza 22

nza 22

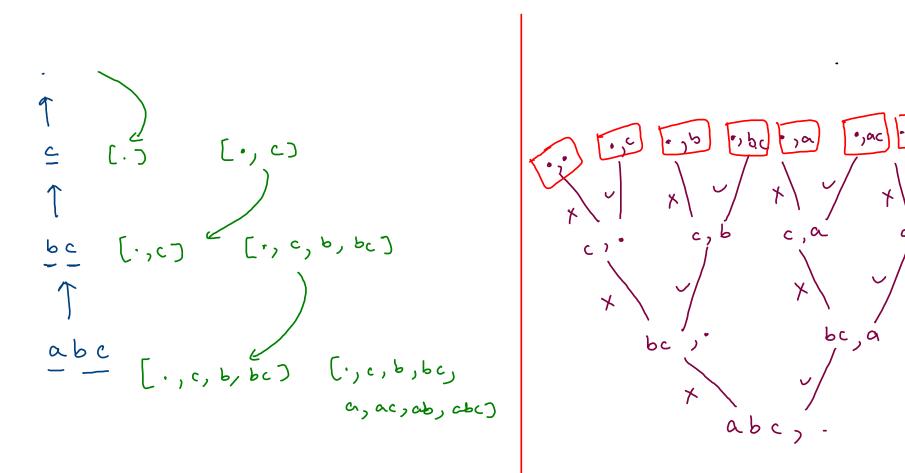
nza 26

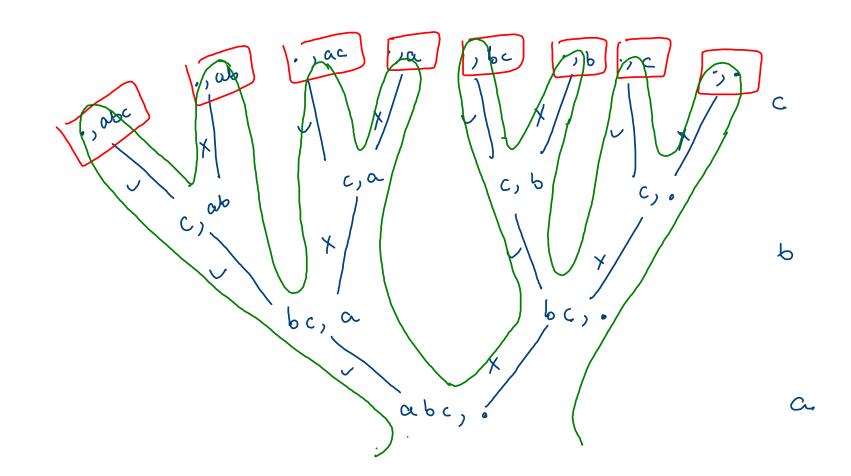
void Jactorial (int n, int Jact);

if (n = = 0) {5yso (Jact); return)}

2 Jactorial (n-1, n > Jact);

on the way up (level & options)





abc

ab

ac

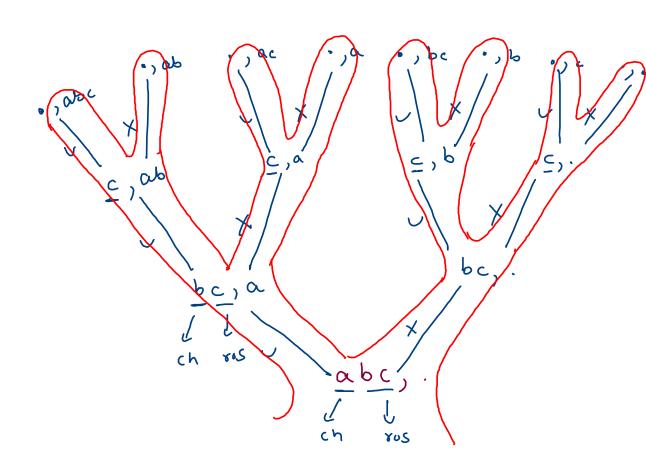
0

bc

P

C

```
public static void printSS(String str, String ans) {
   if(str.length() == 0) {
      System.out.println(ans);
      return;
   }
   char ch = str.charAt(0);
   String ros = str.substring(1);
   //ch -> yes choice
   printSS(ros, ans + ch);
   //ch -> no choice
   printSS(ros, ans);
}
```



5tr; 578

0 -> .; 1 -> abc 2 -> def 3 -> ghi 4 -> jkl 5 -> mno 6 -> pqrs 7 -> tu 8 -> vwx

9 -> yz

5 x v

n [tv, tω, tx, μν, οω, χ)
ο [tv, tω, tx, μν, οω, χ)

m (tv, tw, tx, uv, ow, yx)

```
public static void printkPC(String str, String asf) {
   if(str.length() == 0) {
       System.out.println(asf);
       return;
   }
   char ch = str.charAt(0);
   String ros = str.substring(1);
   String mycode = code[ch-'0'];
   for(int i=0; i < mycode.length();i++) {
       char mch = mycode.charAt(i);
       printKPC(ros,asf + mch);
   }
}</pre>
```

```
0 -> .;

1 -> abc

2 -> def

3 -> ghi

4 -> jkl

5 -> mno

6 -> pqrs

7 -> tu

8 -> vwx
```

9 -> yz

