$$n \rightarrow no$$
. Jel in early $eg: (ell no. = 10)$
 $row = (ell no/n)$
 $row \leftarrow (o/4=2)$
 $col = (ell no/n)$
 $col = (ell no/n)$
 $ell no. (2.4) + 2$
 $ell no. (2.4) + 2$

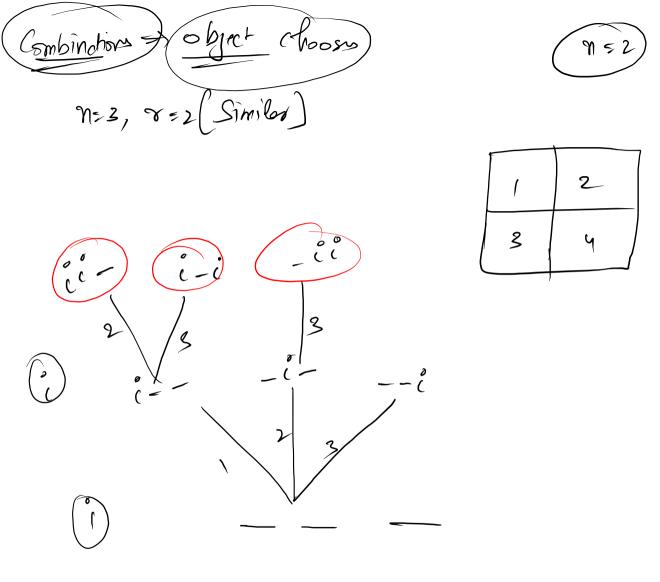
$$(ell =)24$$

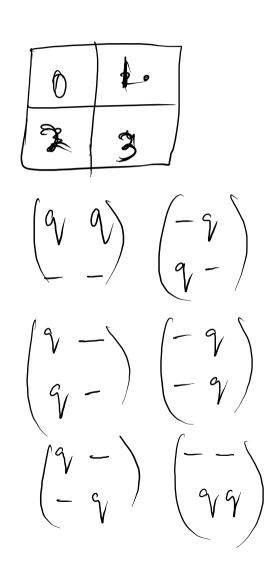
$$24 =) (ell =)24$$

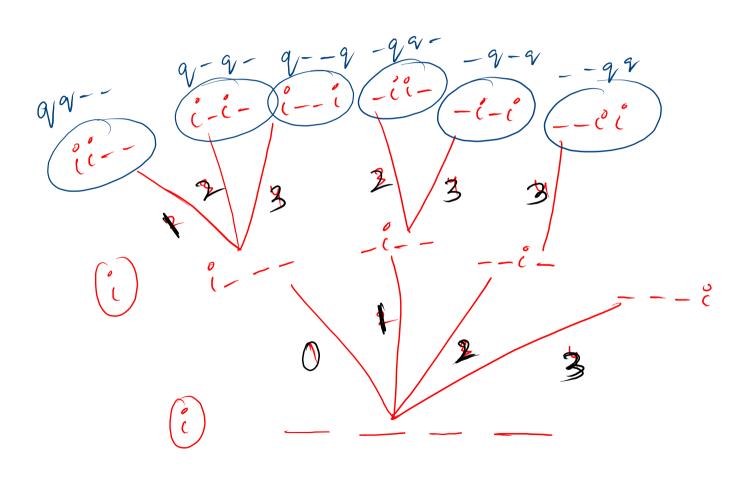
$$26 = (ell =) 24/2 =)2$$

$$24 =)24/2 =)2$$

$$24 =)24/2 =)2$$



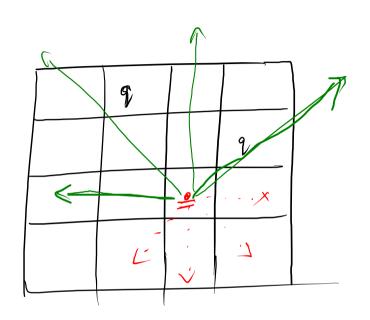


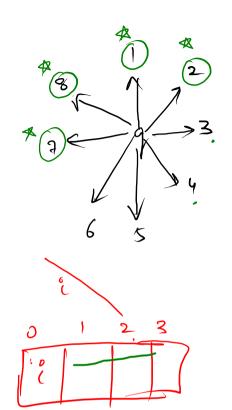


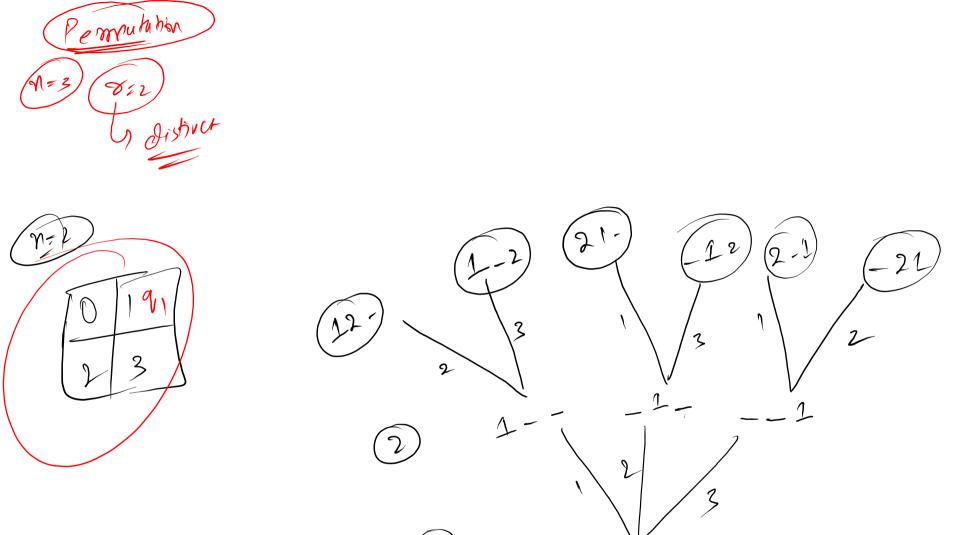
```
public static void queensCombinations(int qpsf, int tq, boolean[][] chess, int lcno) {
    if(qpsf == tq){
        for(int i = 0 ; i < chess.length ; i++){</pre>
            for(int j = 0; j < chess[0].length; j++){
                if(chess[i][j]){
                    System.out.print("q\t");
                }else{
                    System.out.print("-\t");
            System.out.println();
        System.out.println();
        return;
    for(int cell = lcno+1 ; cell < tq*tq ; cell++){</pre>
        int row = cell / tq:
        int col = cell % ta;
        chess[row][col] = true;
        queensCombinations(qpsf+1,tq,chess,cell);
        chess[row][col] = false;
```

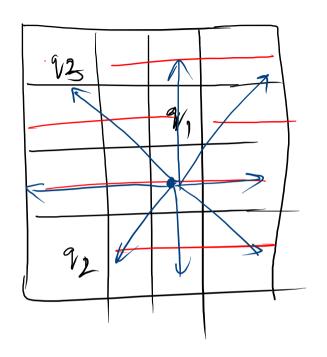


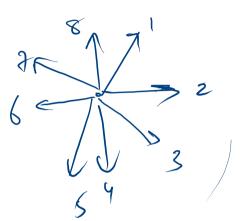
n=4











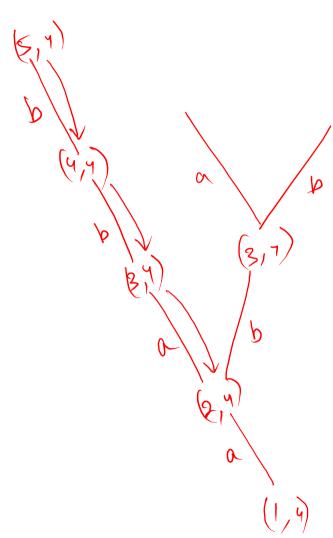
```
public static boolean IsQueenSafe(int[][] chess, int row, int col) {
return true
public static void nqueens(int qpsf, int tq, int[][] chess) {
   if(qpsf == tq){
       for(int i = 0; i < chess.length; i++){
           for(int j = 0; j < chess[0].length; j++){
                if(chess[i][j] != 0){
                   System.out.print("q"+chess[i][j]+"\t");
                }else{
                    System.out.print("-\t");
           System.out.println();
       System.out.println();
        return;
   for(int cell = 0 ; cell < tq*tq ; cell++){</pre>
       int row = cell / ta;
       int col = cell % tq;
       if(chess[row][col] == 0 && isSafe(chess,row,col) == true){
           chess[row][col] = qpsf+1;
           nqueens(qpsf+1,tq,chess);
           chess[row][col] = 0;
```

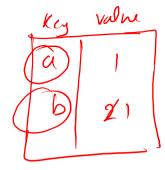
1 (Notes)
2 Complete

box chooses Kemulahic Wood permutation bboa' -) distinct ab ab aabb bba la 10 00 abaabb agb 6 ab bb aa: 0 0 8 aabb 2 b

0063

aabb





```
public static void generateWords(int cs, int t
   if(cs > ts){
       System.out.println(asf);
       return;
   }

   for(char ch : fmap.keySet()){
       int freq = fmap.get(ch);
       if( freq > 0){
            fmap.put(ch,freq-1);
            generateWords(cs+1,ts,fmap,asf+ch);
            fmap.put(ch,freq);
       }
   }
}
```

