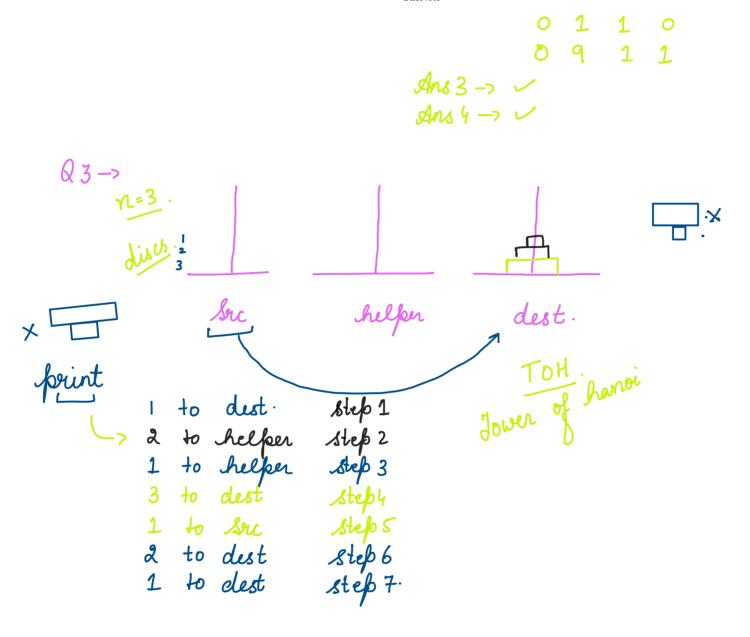
Sunday, 2 February 2020 2:25 PM

<i>Q</i> =	forintkey  1 → abc"  2 → def  3 → ghi  4 → yhl  5 → mno  6 → pgr  7 → stu  8 → vwx  9 → y3.		falks	- "1ad a bd be col ce	e af 2 bf. 2 cf. J " adh adi ae	g ac ei			
Q =>		0   2   3	0 0 0 0 9 0 9 9	2 3 9 0 9 0 0 0 0 9 4x4	(0,0) -> ( Ans 1->		1	9 9 1 0	0 0 1 1
					Ans 2 ->	10	1 2	9	0

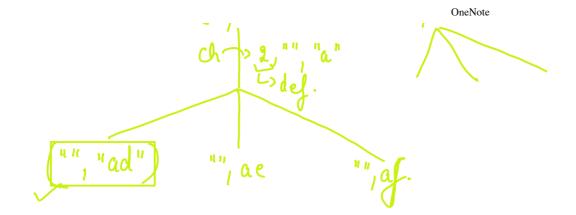


public Static void printkeypod (String str, String res) {

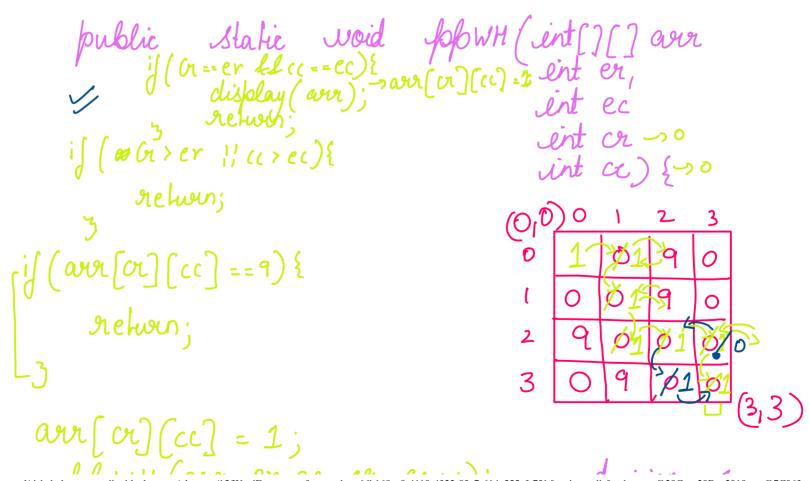
```
if (str. length () == 0) {

Syso(res);
char ch = Str. charAt(0); //'1'
String ros= Str. Substring (1); 11"2";
String (ode = get(ode(ch); // "abc"
for (int i=0; i (ode. length (); i++) {

forintkeyfood (ros, res + lode. charAt(i));
```







-> yopown ( aur, er, ec, cr, (c+1), ph wh ( aur, er, ec, cr+1, cc); arr[0][(() = 0;

foublic Static word ToH (Sinter, String sere "the String helper, "the String dest) {

return; J-TOH (n-1, src, dest, helper) =>Syso("Move n# dis(from src Relper dest.

LyToH (n-1, helper, des Sry dest); 1th disc from Src to dest More

	10ve 10ve	2 H	disc —	from	Src dest	to help
Q =>	N Quee	ns —: —				
0->3	<del>Y</del>	<u>~9</u> .	0 1	2 3		NXN X
		> \ - z				4
	ent y	_ 3				S.t ar
in )	oo lea	n[] I Que	[] &	boerd.	= NeW . Gou	boolear 9)&;

OneNote

foublic Static ent Count Nouvens (ib is (2000 = = board. leng th) return 1; board ( row) ( (ol) & frue; & Count: Count + CountNoucens ( & board ( row) ( Col) =

public static boolean is It

Q = Suduko Solver.

3

public void display (ent[][]a

public boolean Solve (boolean

if (now == N) {

retwen true;

if ((ol == n) {

retwen Solve (board, finedCel) if (fixed Cells (row] (Col]) { return solve (Soard) 

Soolean Solve
if (Solve
refue
) else
Soa
3

```
bublic static woid main (String[] args) {

ent[][] arr: { { }; } = board, arr

boolean[][] fixed Cells. new boolean [9] (9];

Setfixed Cells (arr, fixed Cells, n);

boolean solve = Suduko Solver (arr, fixed Cells,

if (solve) {

cos, col, n);

display (arr);

3 else {

Syso ("(anit be Solved);

4

public static woid setfixed Cells (int(?[] arr,

Soolean[?[] fixed Cells;
```

etn){

3 foublie Statie booleen Suduka Solver (art () () arr,
booleen () () fixedle
ent row,
eist (el,
uixt n) {

public booleen Canplace (Board, ert row, ent Col, sert n, Setnum) {