		•	

$$\left(\underbrace{0,1,2,\cdots,7}_{=} \right)$$

$$\begin{array}{c}
0942 \leftarrow \text{team} \\
+ 393 \leftarrow \text{pep} \\
\hline
01335 \\
\end{array}$$

Took

Took

Took

Joseph distinct mapping

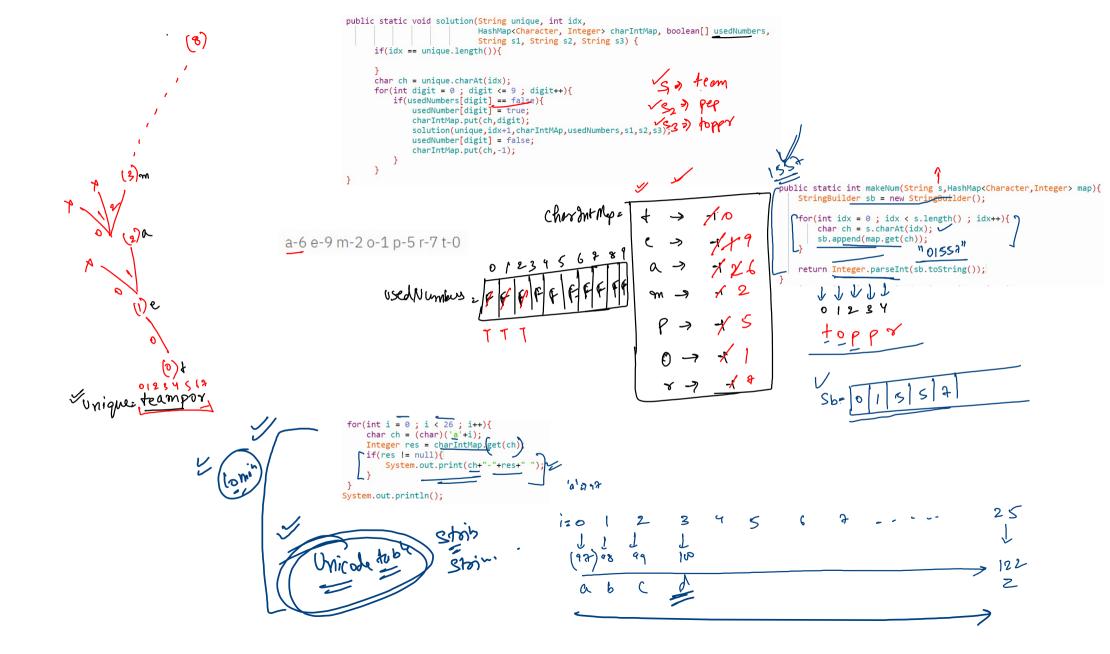
Joseph each chooacher > dight

which surship m(s1) + n(s2)

= n (s3)

Vinique teampor

CharInt Mp M



mput =

0 3 Empty block

Output

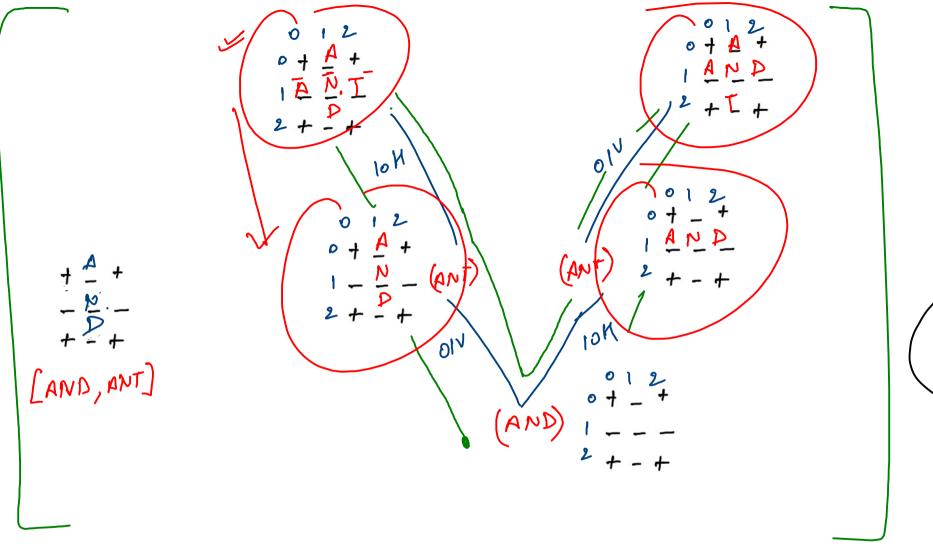
Oupm Word JW 0123456981 0+-++++++ +0++++++ + 12+++++++ +-++++++ +DELM(1)++++ + DE L H I++++ +0+++C++++ +-++++++ + N+++ E++++ 5 +-++++++ +++++++ +++++++++ ++ ANKARA++ ++----++ +++++<u>N</u>++++ +++++++ +++++-L DELHI, I CELAND, ANKARA, LONDON)

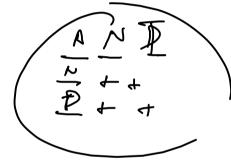
Delhi > 5

SCELAND -> 7

ANKARA -> 6

LONDON -> 6

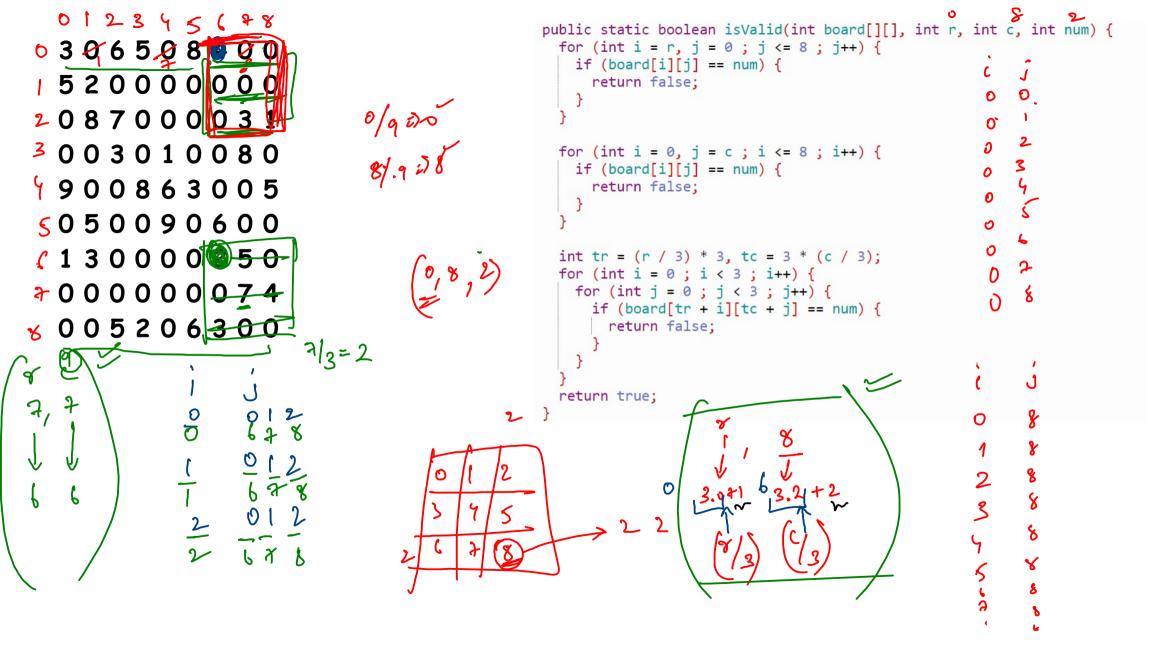




```
0123456781
```

```
public static boolean canPlaceHorizontal(int [][]arr,int r,int c,String word){
    for(int i = 0; i < word.length(); i++){}
       if(c+i >= 10){
            return false;
       if(arr[r][c+i] == '-' || arr[r][c+i] == word.charAt(i)){
            continue;
        }else{
            return false;
    if(c != 0){
       if(arr[r][c-1] != '+'){
            return false;
    if(c+word.length() == 10 || arr[r][c+word.length()] == '+'){}
       return true;
    }else{
        return false;
```

9x9



```
for(int i = 0; i < word.length(); i++){</pre>
    if(visited[i] == true){
        arr[r][c+i] = '-';
 N_{N}
```

```
public static void solution(char[][] arr, String[] words, int vidx){
    if(vidx == words.length){
        print(arr);
        return;
    String word = words[vidx];
    for(int i = 0; i < 10; i++){
        for(int j = 0; j < 10; j++){
            if(arr[i][j] == '-' || arr[i][j] == word.charAt(0)){
                if(canPlaceHorizontal(arr,i,j,word)){
                    boolean visited[] = new boolean[word.length()];
                    placeWordHorizontal(arr,i,j,word,visited);
                    solution(arr,words,vidx+1);
                    unplaceWordHorizontal(arr,i,j,word,visited);
                if(canPlaceVertical(arr,i,j,word)){
                    boolean visited[] = new boolean[word.length()];
                    placeWordVertical(arr,i,j,word,visited);
                    solution(arr, words, vidx+1);
                    unplaceWordVertical(arr,i,j,word,visited);
```

LONDON, String