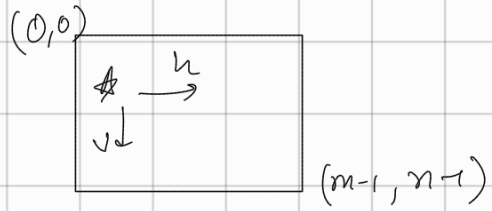
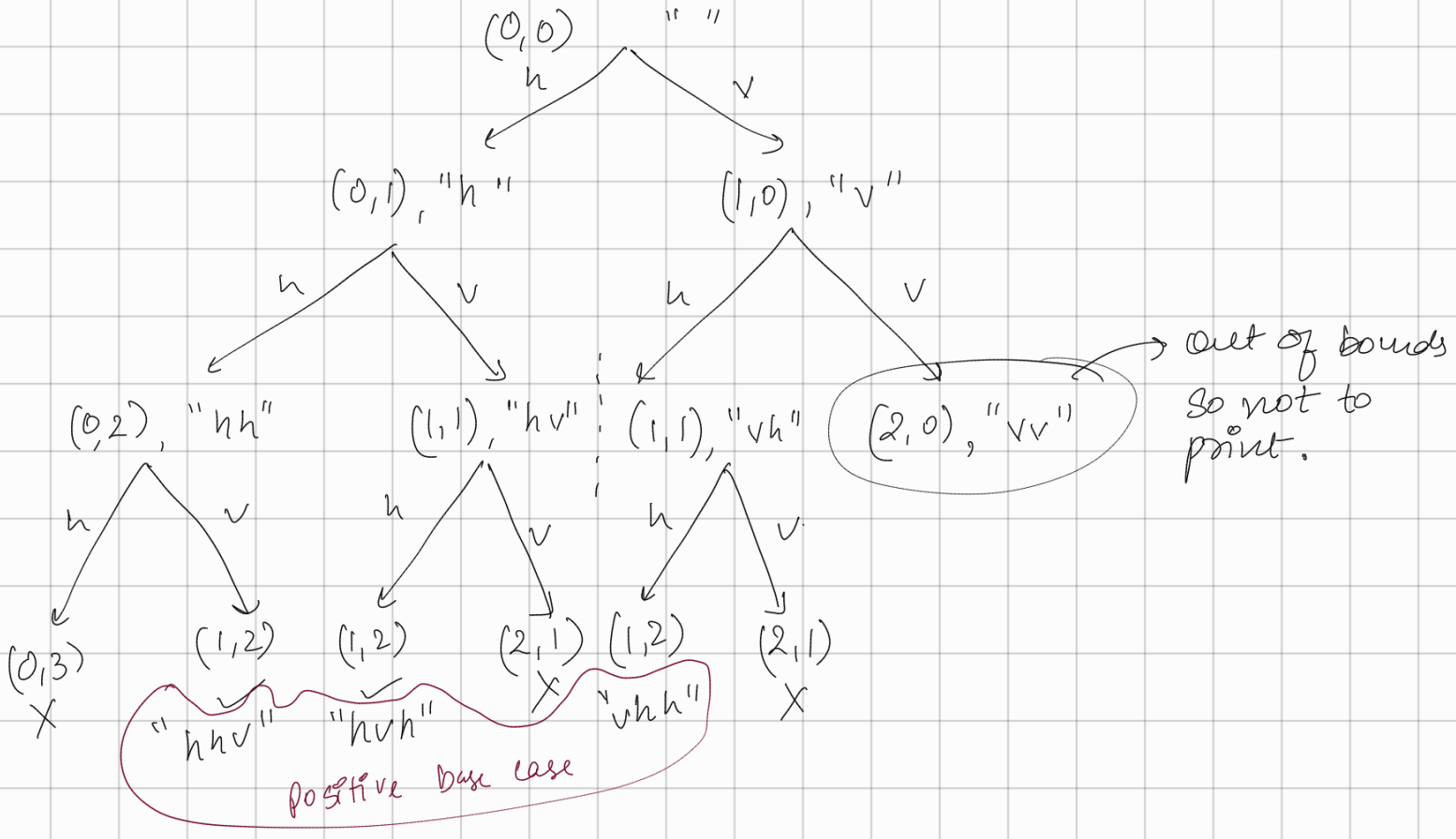
① Print Stair Case Paths
② Print maze paths
③ Print maze paths with jumps
④ Print encodings

① Print Maze Paths.



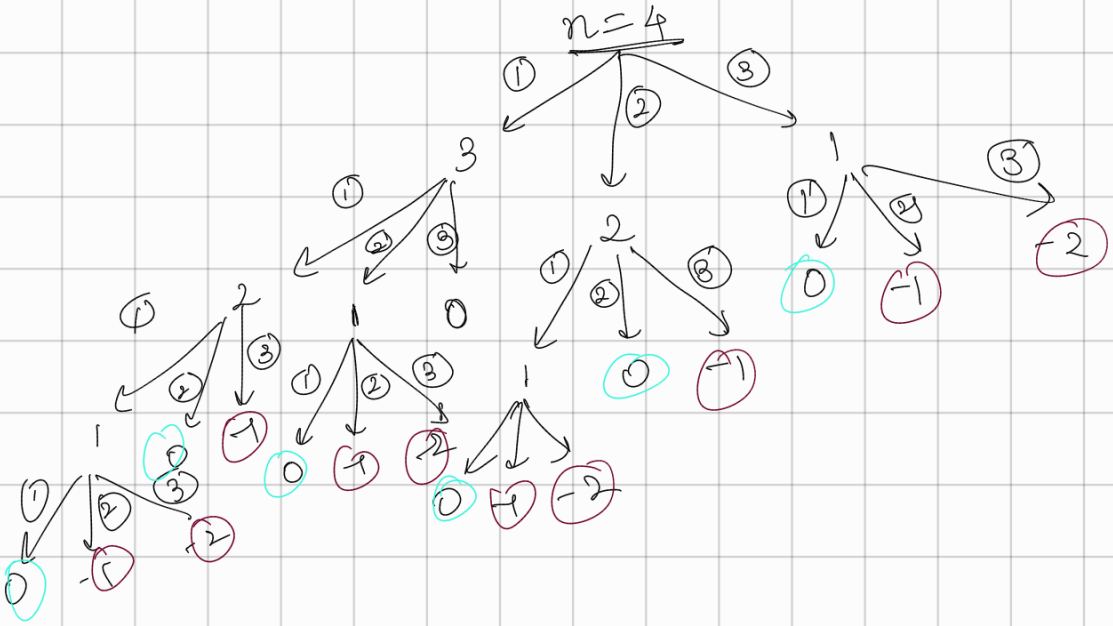


∴ CODE:

```
if (sr > dr || sc > dc) {
    // negative base case
    Syso(psf); return;
}
if (sr == dr && sc == dc) {
    // positive base case
```

```
        Syso(psf); return;
    }
    printMazePaths(sr, sc+1, dr, dc, psf+"h");
    printMazePaths(sr+1, sc, dr, dc, psf+"v");
```

(2) Print Stair Paths.



∴ CODE:

```
if(n==0){
    System.out.println(psf);
    return;
}
if(n>=1) printStairPaths(n-1, psf+"1");
if(n>=2) printStairPaths(n-2, psf+"2");
if(n>=3) printStairPaths(n-3, psf+"3");
```