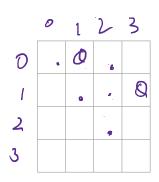


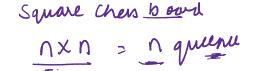
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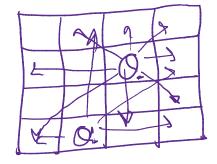
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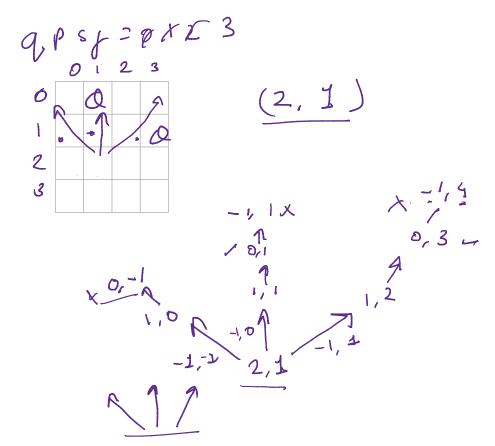


cus





Plovement of Queen



```
public static boolean canQueenBePlaced(boolean[][] chess, int r, int c) {
    for (int i = 0; i < queenDirections.length; i++) {
        int dr = queenDirections[i][0];
        int dc = queenDirections[i][1];
        int nr = r;
        int ne = c;
        while (nr + dr >= 0 && nc + dc >= 0 && nc + dc < chess.length) {
            nr += dr;
            nc += dc;
            if (chess[nrl[nc]) return false;
        }
    }
    return true;
}</pre>
```

```
queenDirections = \{\{-1, -1\}, \{-1, 0\}, \{-1, 1\}\}\}; p = 2
dx = -1
```

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y (N== her byh) & found in 3

quente Placed= condbe Place (ches, N, C)

y (qbh) &

Ches [N][c] = true;

nqueens (ches, N+1, D, 9psf+1)

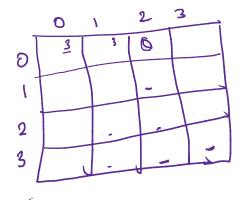
ches [N][c] = false;

g

y (1+1 2 ches langth) {

nqueens (ches N, C+1, 9,1st

queens (ches N, C+1, 9,1st)
```



grsf[ong: [res [2,4,1]],

```
chess[r][c] = true;
    qpsf.add(c + 1);
    nQueens(chess, r r + 1, c 0, qpsf);
    chess[r][c] = false;
    qpsf.remove(index: qpsf.size() - 1);
}

if (c + 1 < chess.length) {
    nQueens(chess, r, c c + 1, qpsf);
}
</pre>
```