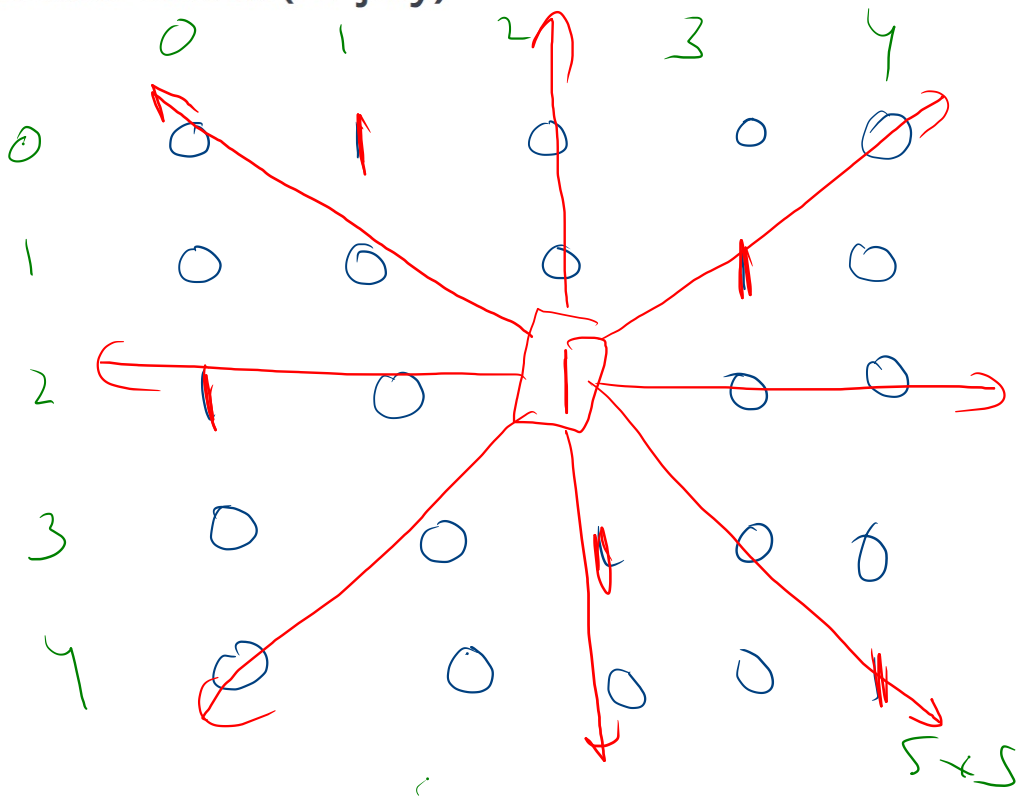
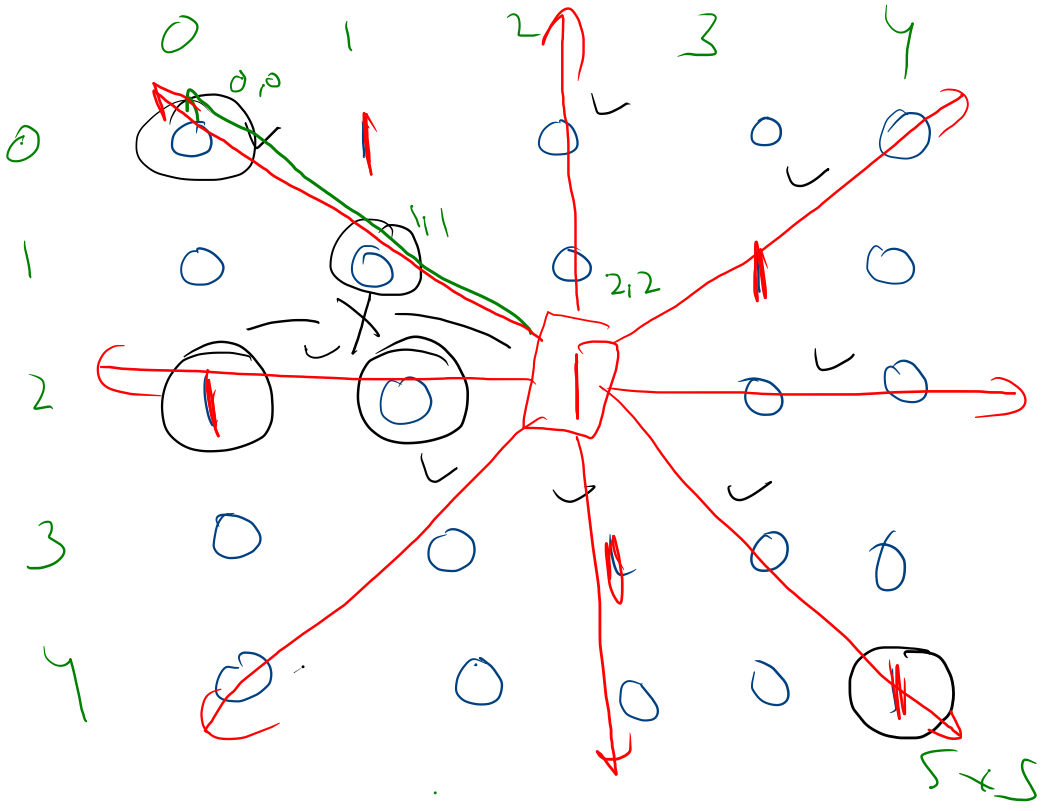
N Queens Check (21 july)



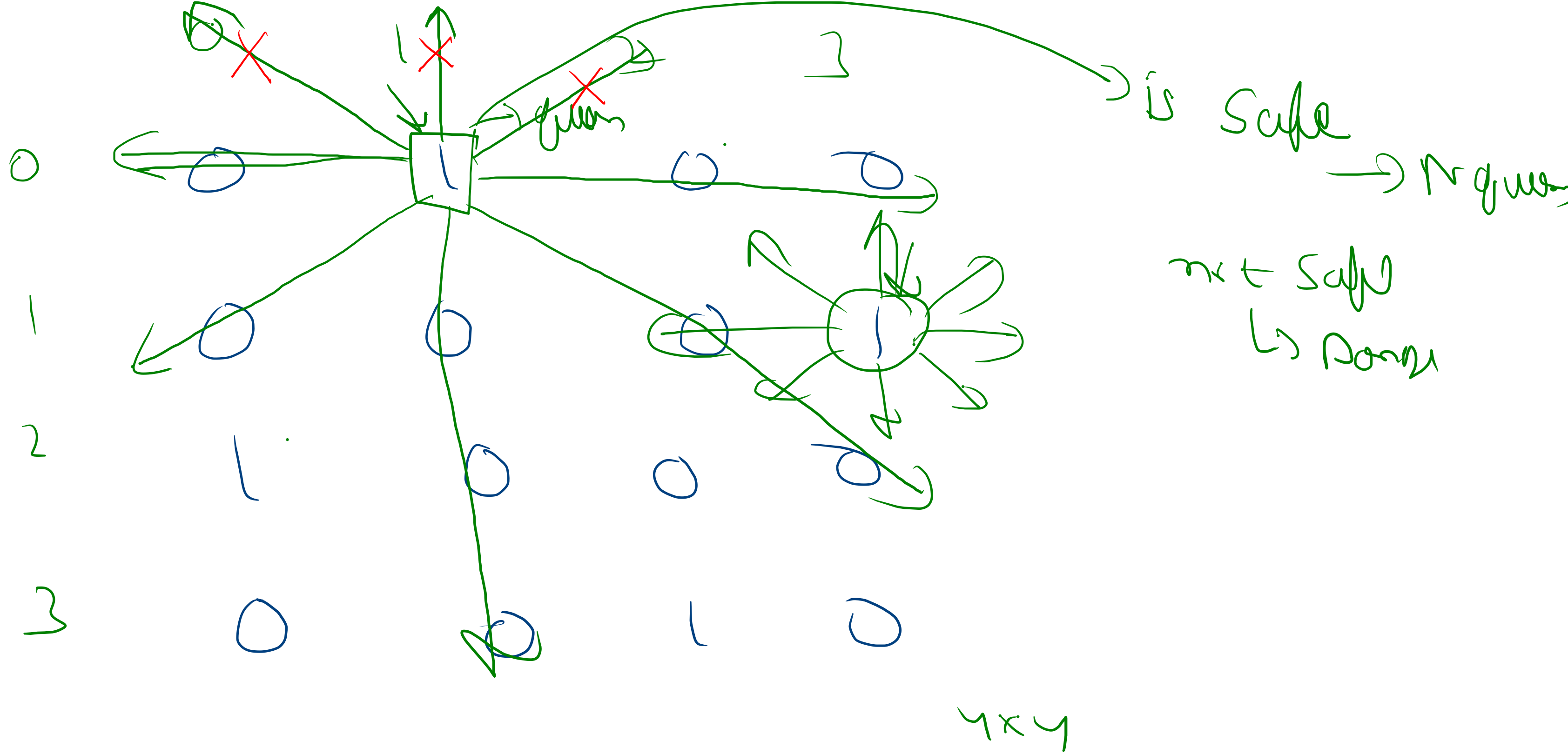
0 :→ nothing
1 :→ queen

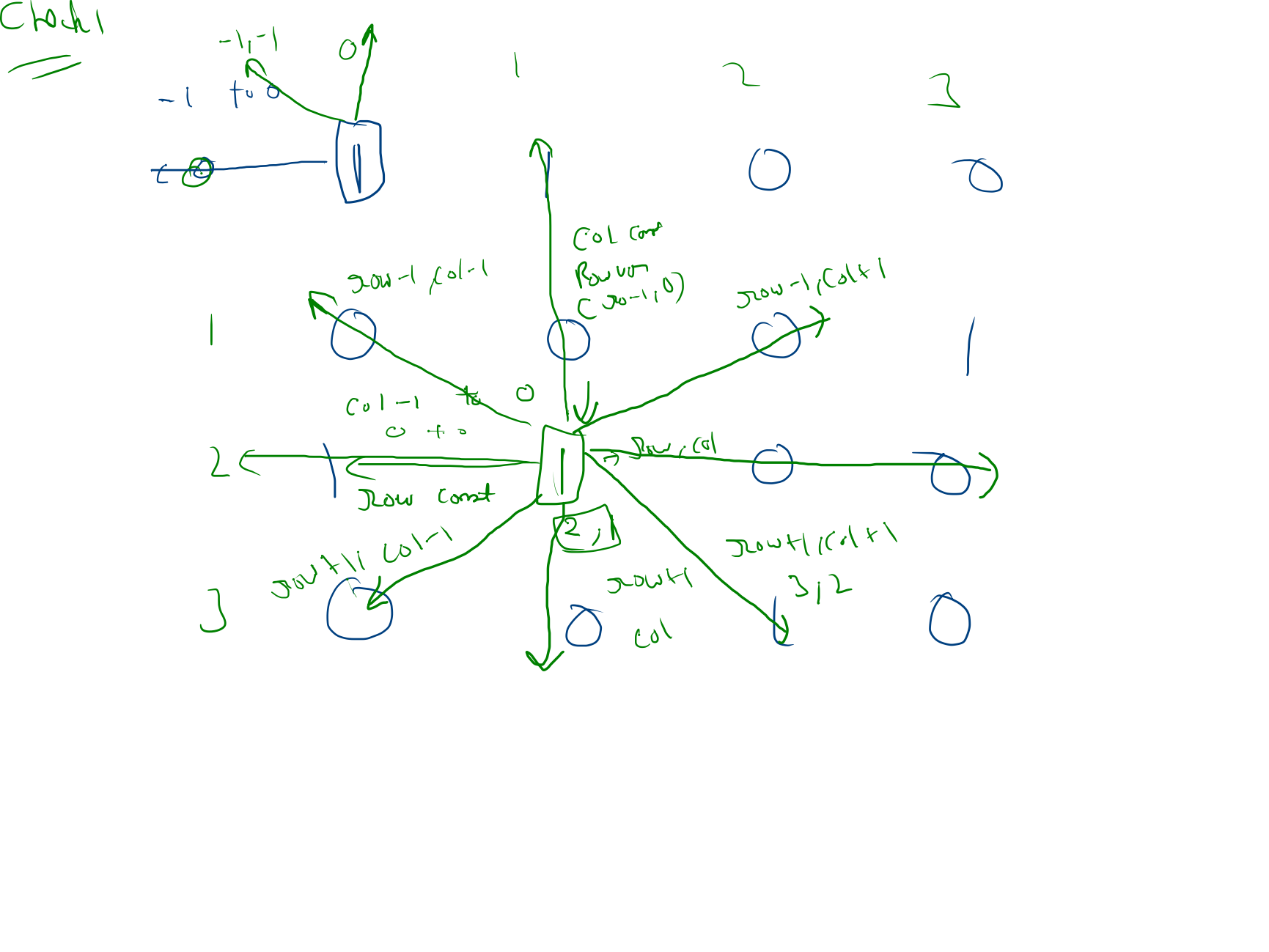
queen move → 8 direction

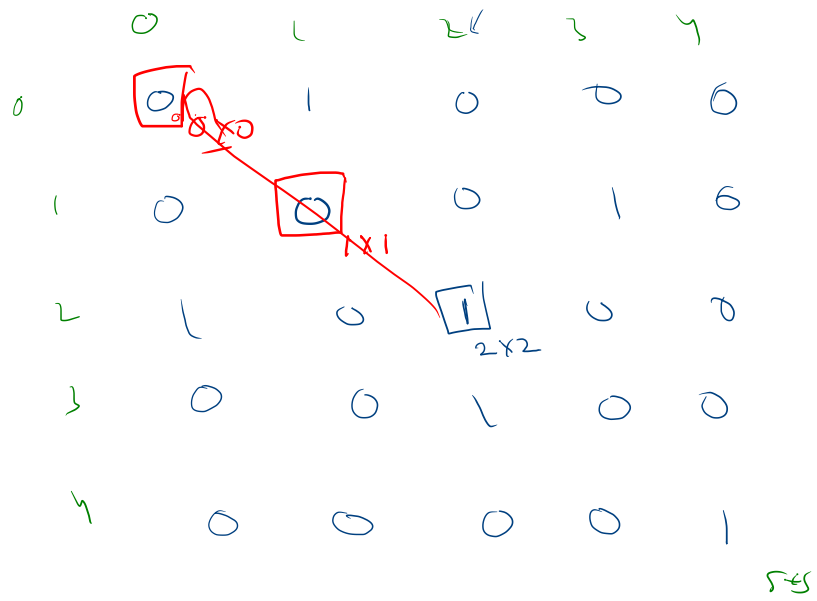
(1) Verify if queen is board only



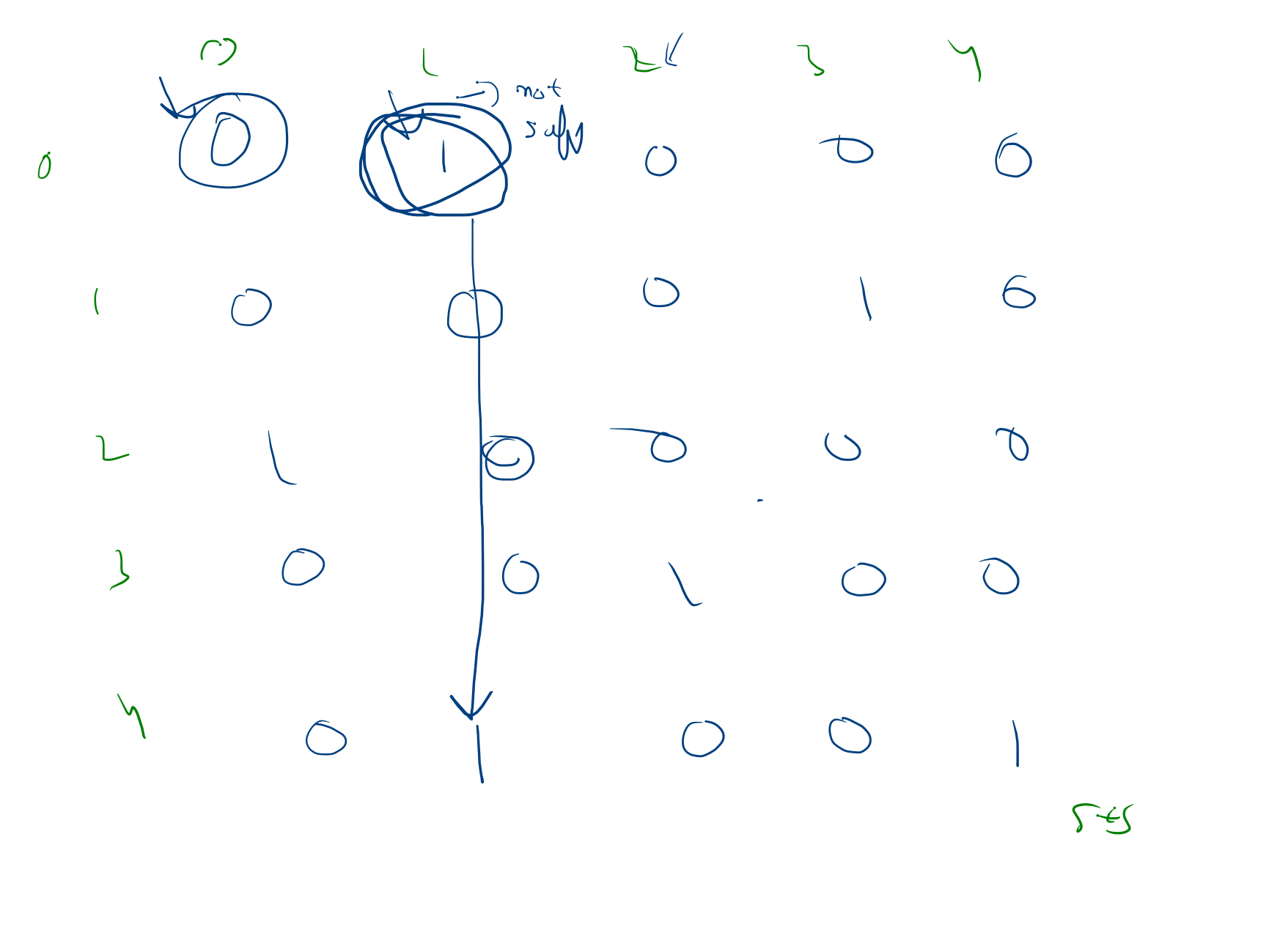
Danger


0
1
2
3
is Safe
→ N queens
not Safe
↳ Return
4x4

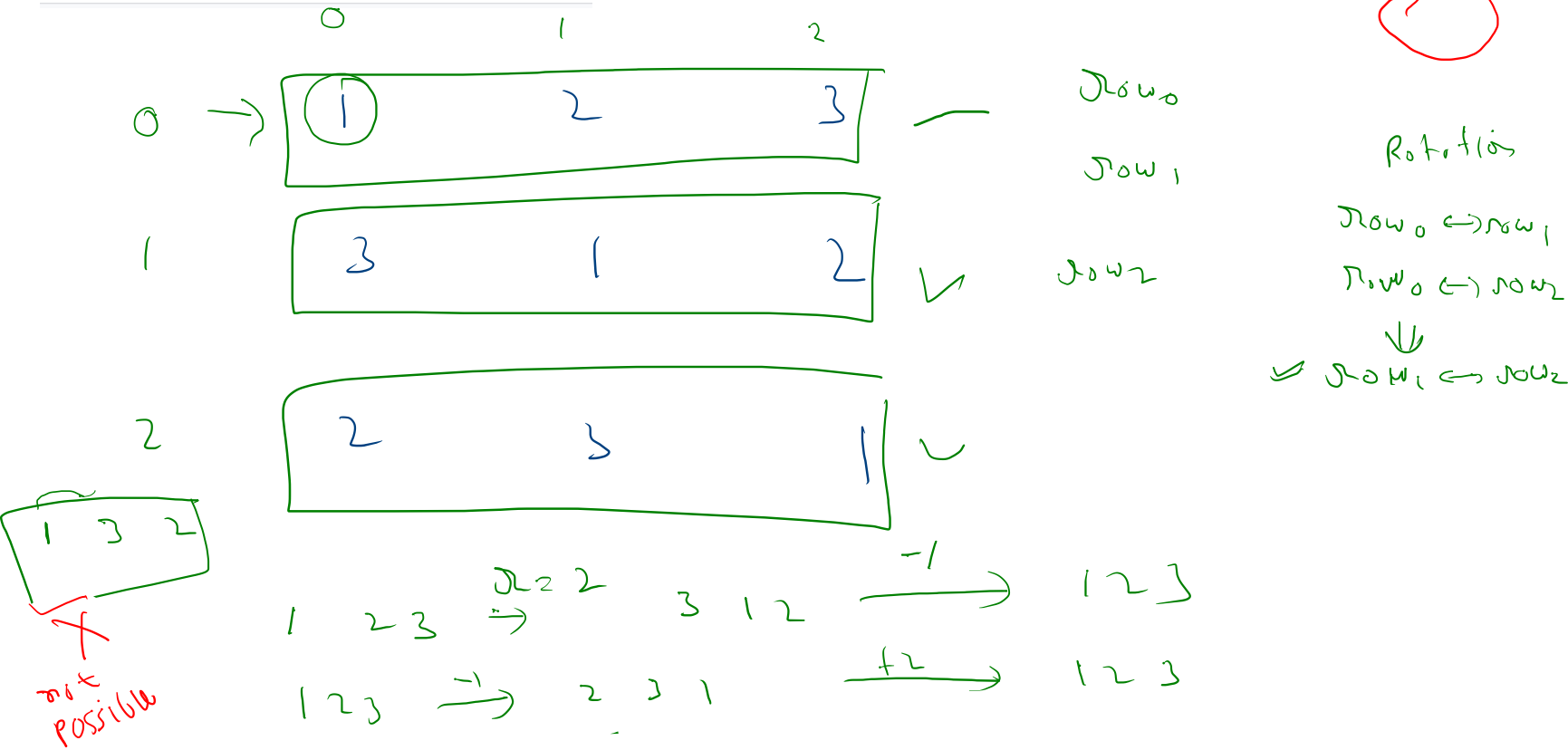

-1,-1
-1 to 0
t 0
1
2
3
Col const
Row var
(row-1, 0)
row-1, col-1
row-1, col+1
col-1
0 to 0
row, col
row const
2, 1
row+1, col-1
row+1
col
row+1, col+1
3, 2

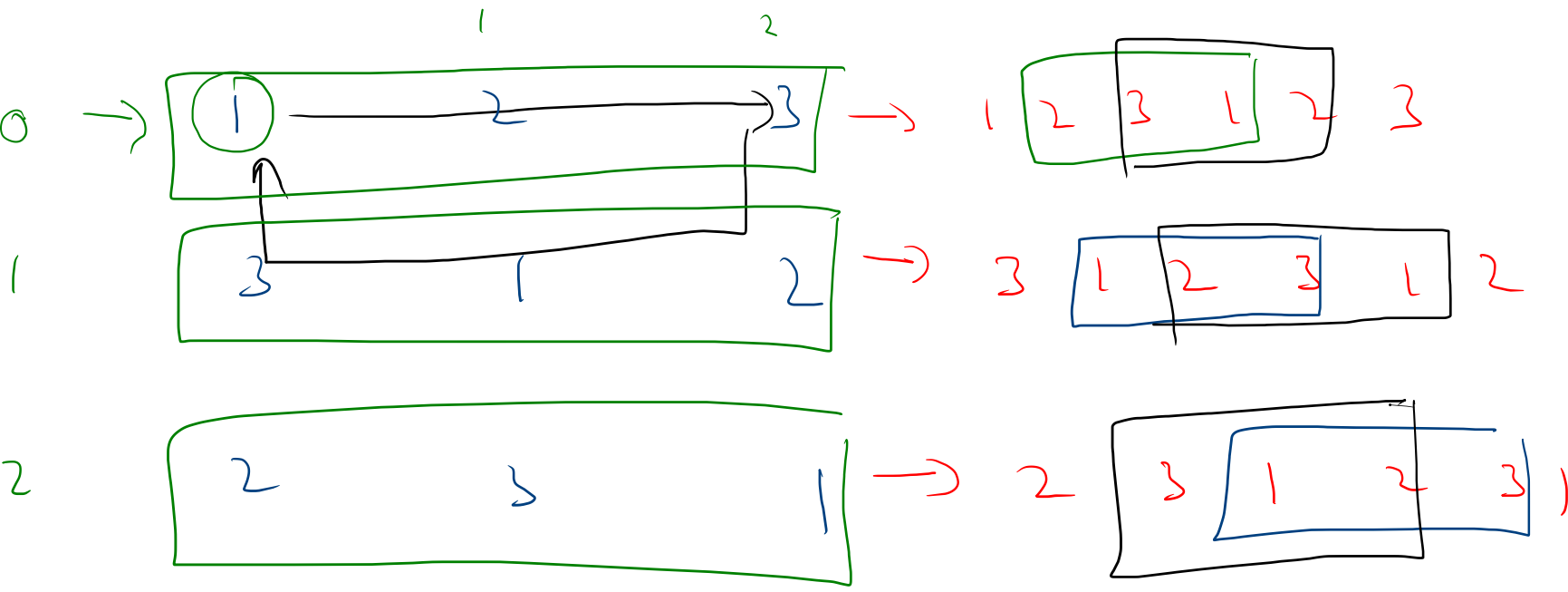


```java
// 2nd call
for (int i = row - 1, j = col - 1; i >= 0 && j >= 0; i--, j--) {
    if (isQueen(chessBoard[i][j])) {
        return false;
    }
}
```


0
1
not
sum

Rotation Check In Matrix (21 july)

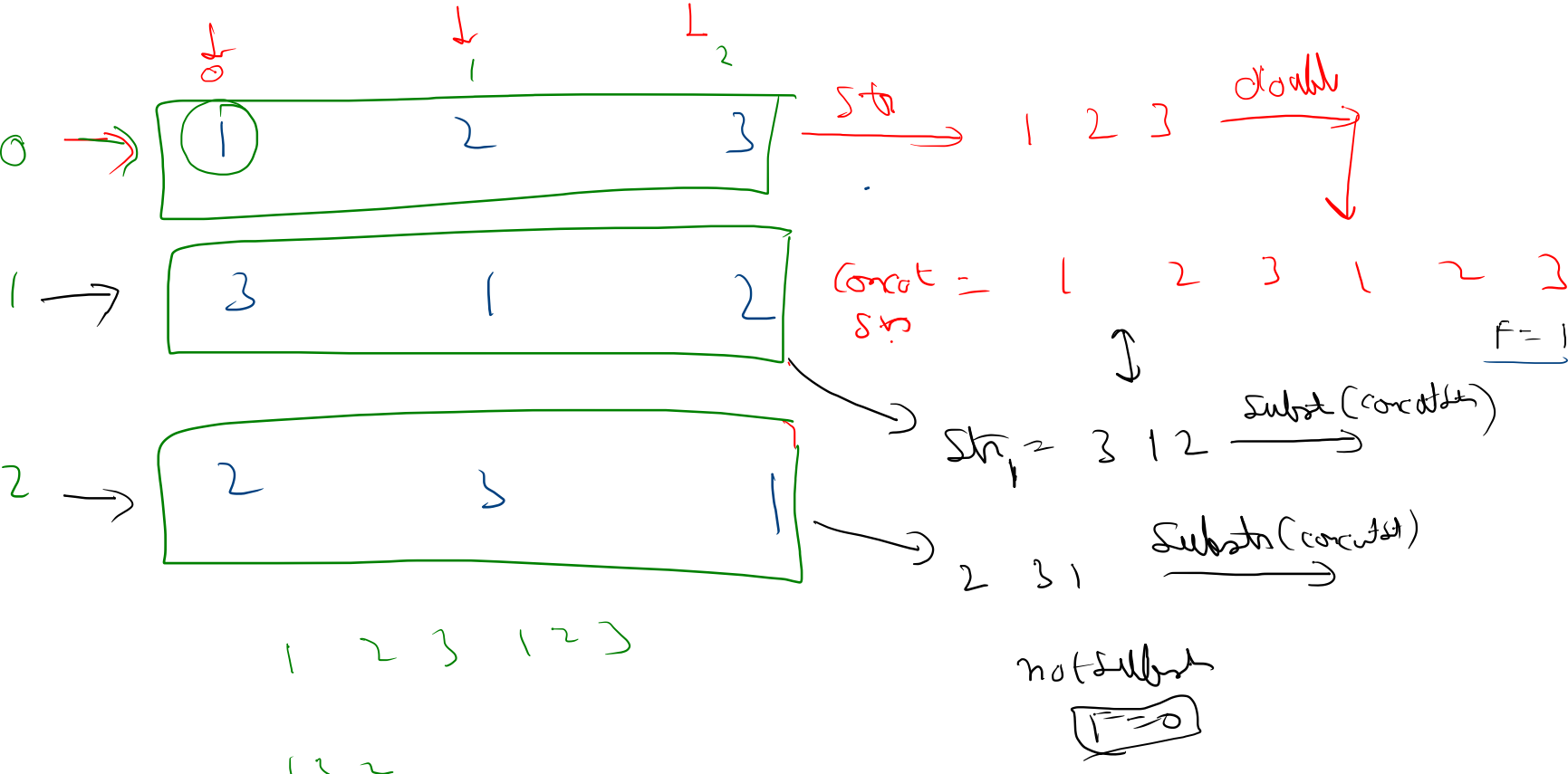


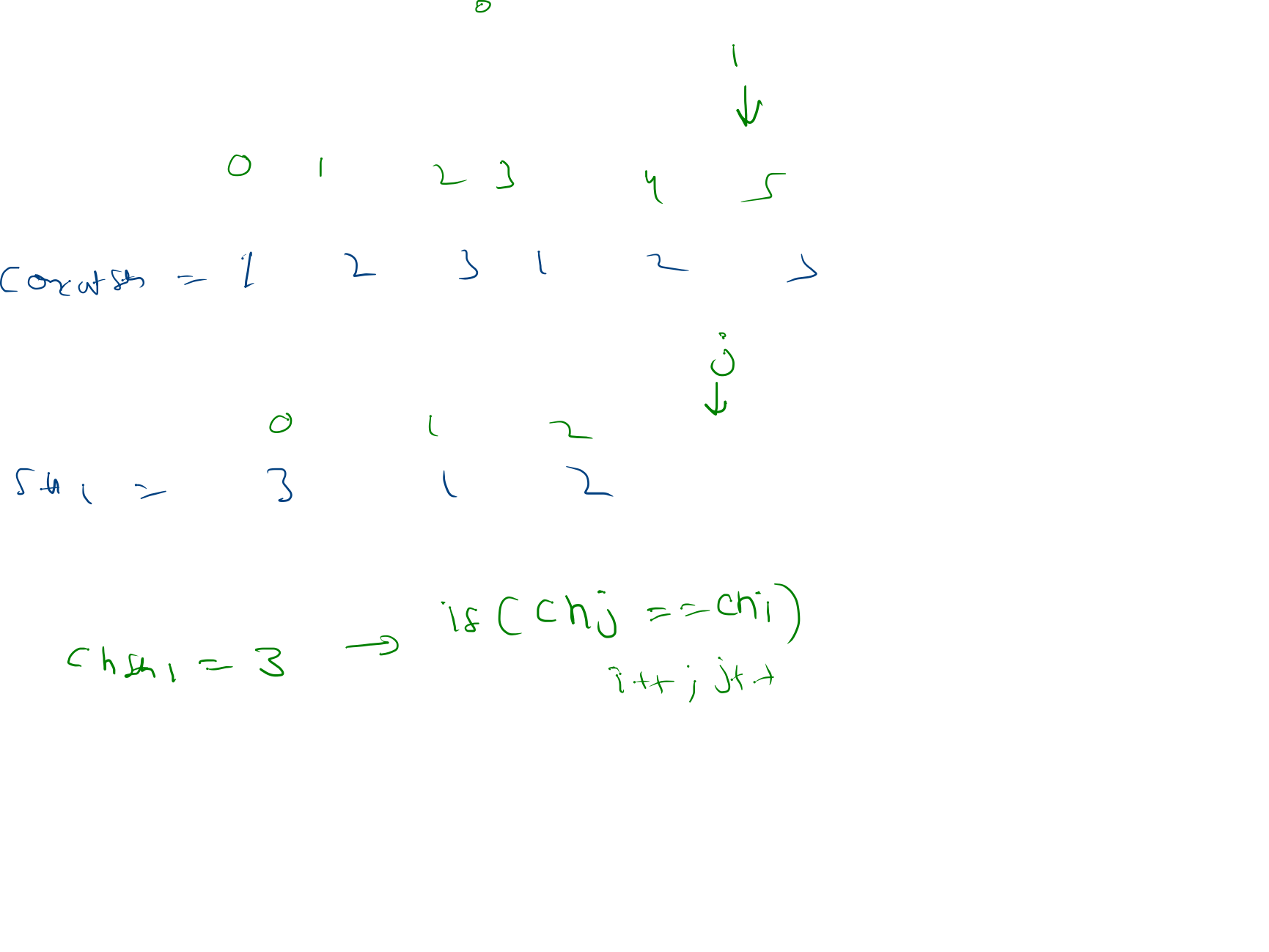


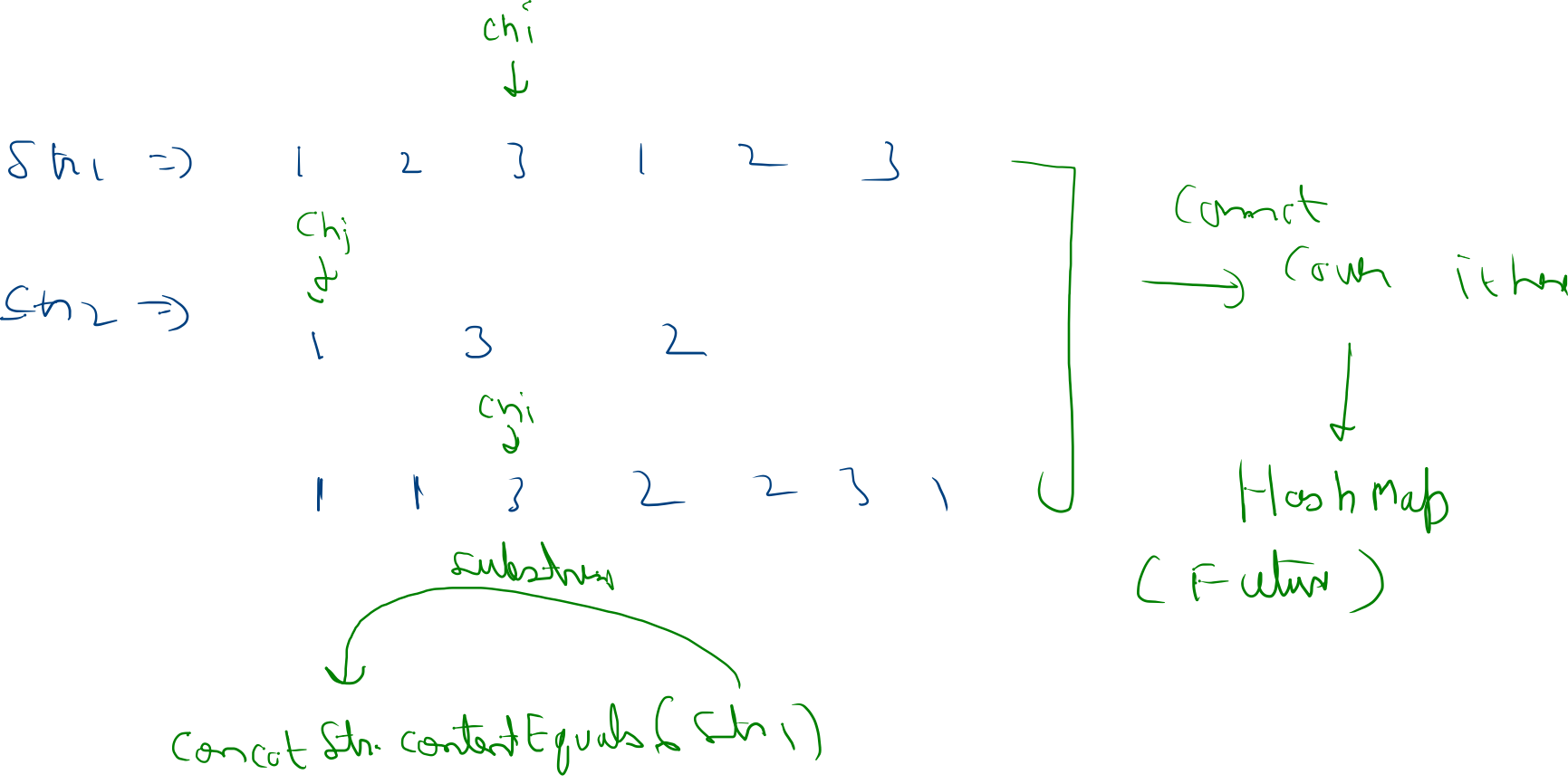
Rotation → Clock wise

1 2 3 1 2 3

3 1 2 3 1 2


0
1
2
1 2 3
3 1 2
2 3 1
Str
1 2 3
Double
Concat = 1 2 3 1 2 3
Str
F = 1
Str1 = 3 1 2
Substr(concatStr)
2 3 1
Substr(concatStr)
not Substr
F == 0
1 2 3 1 2 3
1 3 2


i
0 1 2 3 4 5
Concat = 1 2 3 1 2
j
0 1 2
Str1 = 3 1 2
ch[str1] = 3
if (ch[j] == ch[i])
i++, j++


chi
Str1 => 1 2 3 1 2 3
chj
Str2 => 1 3 2
chi
1 1 3 2 2 3 1
Concat
Hash Map
substring
Concat Str. contentEquals (Str1)