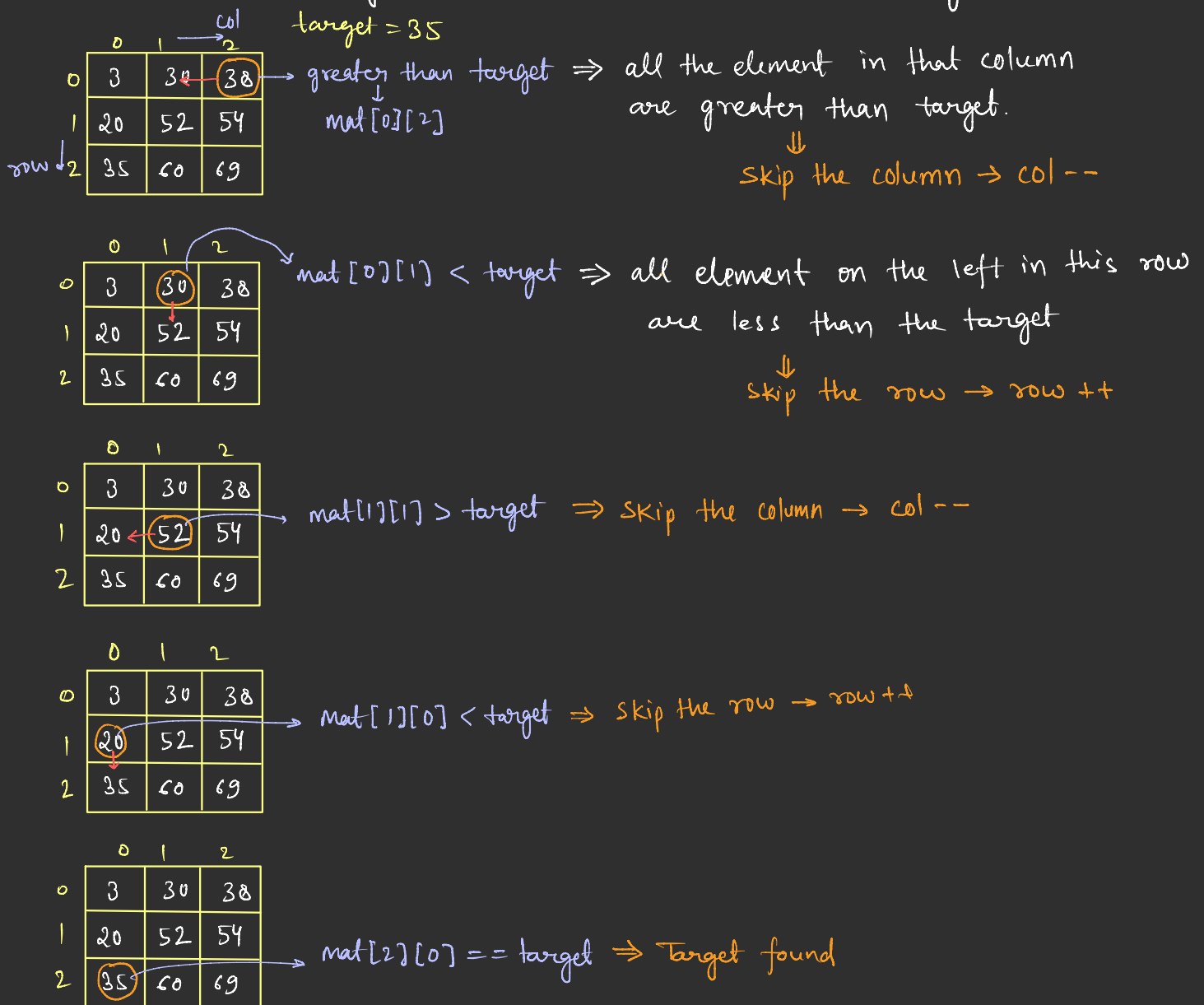


13. Search in the Row wise - column wise Sorted matrix

Given a `mat[][]` & an integer `x`.

Each row & column of the matrix is sorted in increasing order.



```

1 // User function template for C++
2 class Solution {
3     public:
4
5     bool matSearch(vector<vector<int>> &mat, int x) {
6         int rows = mat.size(), cols = mat[0].size();
7         int i = 0, j = cols-1;
8         while(i < rows && j >= 0) {
9             if(mat[i][j] > x)
10                j--;
11             else if(mat[i][j] < x)
12                i++;
13             else return true;
14         }
15         return false;
16     }
17 };
  
```