## Aeroplane bombing

}

```
Tuesday, July 22, 2025
                         9:31 PM
                         https://www.hackerrank.com/contests/target-samsung-13-
                          nov19/challenges/aeroplane-bombing/problem
               > (N-1)th row theke start aright)
     रि क्रिक क्षेत्रक अर्थ ति उत्तर प्रायाम १ प्राया श्वास अर्थात अर्थ विषय ।
  Space Ship 37 attle available move, 3, ( 1, 1, 1)
   A (N-1, col-1) ) for (int d=-1, d<=1, d++)
    f (N-1, col+1) }
                   { f(N-1, col+d)
    f (N-13 col)
If I encounter bomb.
I check if I have used up my bomb. (bomb use agreet return)
If I have not, then make the bomb, D of the upper 5x5 box, of that, spaceship
then after the recursion is completed revert it back to original
  #include <cmath>
  #include <cstdio>
  #include <vector>
  #include <iostream>
  #include <algorithm>
  using namespace std;
  int maxCnt = 0;
  void solve(vector<vector<int>>& field, vector<vector<int>>& copyField, int
  currCount,int row,int col,int bombed)
       //jodi top row er baire chole jai
       if(row < 0 || col< 0 || col >= 5) return;
       if(field[row][col] == 1 || field[row][col] == 0)
       {
           currCount += field[row][col];
           maxCnt = max(currCount, maxCnt);
           for(int d = -1; d <=1; d+=1)
                solve(field,copyField,currCount,row-1,col+d,bombed);
            }
       }
       else if(field[row][col] == 2)
           if(bombed == 0)
                return;
           else
                bombed = 0;
                for(int i = row; i \ge 0 \&\& i \ge row-4; i--)
                     for(int j = col-2;j<=col+2;j++)</pre>
                         if(j>=0 \&\& j<=4){
                              if(field[i][j] == 2)field[i][j] = 0;
                     }
               for(int d = -1; d <=1; d+=1)
                solve(field,copyField,currCount,row-1,col+d,bombed);
                for(int i = row; i \ge 0 \& i \ge row-4; i--)
                     for(int j = col-2;j<=col+2;j++)</pre>
                         if(j>=0 \&\& j<=4){
                              field[i][j] = copyField[i][j];
                     }
                }
           }
       }
  }
  int main() {
       /* Enter your code here. Read input from STDIN. Print output to STDOUT */
       int t;
       cin>>t;
       for(int i = 1;i<=t;i++){
           int N;
           cin>>N;
           vector<vector<int>>field(N, vector<int>(5,0));
           vector<vector<int>>copyField(N, vector<int>(5,0));
           for(int i = 0;i<N;i++)</pre>
                for(int j = 0; j < 5; j++)
                     cin>>field[i][j];
                     copyField[i][j] = field[i][j];
           }
           maxCnt = 0;
           int currCount = 0;
           int col = 2;
           int bombed = 1;
           solve(field,copyField,currCount,N-1,col,bombed);
           solve(field,copyField,currCount,N-1,col+1,bombed);
           solve(field,copyField,currCount,N-1,col-1,bombed);
           cout << "#" << i << " " << maxCnt << endl;
       }
```