

Problem : <https://www.hackerrank.com/challenges/java-1d-array/problem?isFullScreen=true>

Code:

```
import java.util.*;

public class Solution {
    static int visited[];

    public static boolean canWin(int[] game,int leap,int i) {
        // Return true if you can win the game; otherwise, return false.
        if(i>=game.length)
            return true;
        if(visited[i]==0)
        {
            visited[i]=1;
            if(game[i]==0)
            {
                if( canWin(game,leap,i+leap))
                    return true;
                if( canWin(game,leap,i+1)) {
                    return true;
                }
            }
            if(i!=0)
                if( canWin(game,leap,i-1))
                    return true;
        }
    }

    return false;
}

public static void main(String[] args) {
    Scanner scan = new Scanner(System.in);
    int q = scan.nextInt();
```

```
while (q-- > 0) {  
    int n = scan.nextInt();  
    int leap = scan.nextInt();  
    visited=new int[n];  
    int[] game = new int[n];  
    for (int i = 0; i < n; i++) {  
        game[i] = scan.nextInt();  
    }  
  
    System.out.println( (canWin(game,leap,0)) ? "YES" : "NO" );  
}  
scan.close();  
}  
}
```