Qn Link : <https://atcoder.jp/contests/dp/tasks/dp_b>

Question Summary :

* You re given an array of size “N” and an integer K
* You need to find the minimum cost to reach the index n
* For index i , you can move to i +1 , i + 2 , i + 3 , ……… i + k

Observation :

* For each iteration , check the min value of each iteration from j = 1 to k && j - i >= 0
* Remaining are the same as the Frog Jump - 1.

private int minJumps (int [] nums , int n , int k){

int [] dp = new int [n];

dp[0] = 0;

dp[1] = Math.abs(nums[0] - nums[1]);

for(int i = 2 ; i < n; i++){

int j = 1;

int min = Integer.MAX\_VALUE;

while( j <= k && i - j >= 0){

min = Math.min(min ,dp[i - j] + Math.abs(nums[i] - nums[i - j]) );

}

dp[i] = min;

}

return dp[n - 1];

}