

```
int hateville(int[ ]  $D$ , int  $n$ )  
┌  
    int[ ]  $DP \leftarrow$  new int[0... $n$ ]  
     $DP[0] \leftarrow 0$   
     $DP[1] \leftarrow DP[1]$   
  
    da  $i \leftarrow 2$  fino a  $n$  fai  
    └     $DP[i] \leftarrow \max(DP[i-1], DP[i-2] + D[i])$   
  
    ritorna  $DP[n]$   
└
```