

```
int hateville(int[ ] D, int n)
```

```
    int[ ] DP ← new int[0...n]
```

```
    DP[0] ← 0
```

```
    DP[1] ← DP[1]
```

```
    da  $i \leftarrow 2$  fino a  $n$  fai
```

```
         $DP[i] \leftarrow \max(DP[i - 1], DP[i - 2] + D[i])$ 
```

```
    ritorna  $DP[n]$ 
```