

```

for (j=0; j < n; j++) {
    if (i==0) M[j] = 0
    elif (i==1) M[j] = M[j-1] + Math.abs(H[j]-H[j-1])
    elif {
        M[j] = Math.min

```

M (10) (30) (40) (20)

J 20 30 2040+10
30 1042+50
30

	(10)	(30)	(40)	(20)
Cost 1	0	20	30	50
Cost 2	0	0		
Min	1	20	30	30

	30	10	60	10	60	50
Cost 2	0	0	30	20	30	60 - 10 = 50
Cost 1	0	20	70	70	70	40 = 70 - 30
Min	0	20	30	20	30	40

$M_0 = 0$
 $M_1 = M_0 + |H_1 - H_0|$
 $M_2 = \min(M_0 + |H_2 - H_0|, M_1 + |H_2 - H_1|)$
 \vdots
 $M_n = \min(M_{n-2} + |H_n - H_{n-2}|, M_{n-1} + |H_n - H_{n-1}|)$