



altitude 0, -5, -4, 3, 2, -6
 gain 3, 1, 5, 0, -7

gain 5, 4, 3, 0, 7
 alt 0, 5, 4, 4, 4, 6

5 4 3 0 7 $ln = 5$

$$A[0] = 0$$

$$A[1] = A[0] + I[0] = 0 + -5 = -5$$

$$A[2] = A[1] + I[1] = -5 + 1 = -4$$

$$A[3] = A[2] + I[2] = -4 + 5 = 1$$

$$A[4] = A[3] + I[3] = 1 + 0 = 1$$

$$A[5] = A[4] + I[4] = 1 - 7 = -6$$

A = array of $ln(n+1)$

$$A[0] = 0$$

for $i = 1 \rightarrow i = i + 1$ (until)

$$A[i] = A[i-1] + I[i-1]$$

and take the max.