#include <stdio.h>

#include <math.h>

#define MAXH 100

#define MAXN 100000

#define inf 1000000000

int h[MAXN+10];

int d[MAXN+10][MAXH+10];

int main()

{

freopen("telewire.in", "r", stdin);

freopen("telewire.out", "w", stdout);

int n, c, p, q, k, l, r, i, j;

scanf("%d%d", &n, &c);

for (i = 0; i < n; i++)

scanf("%d", h+i);

for (i = 0; i <= MAXH; i++)

if (i < h[0])

d[0][i] = inf;

else

d[0][i] = (i-h[0])\*(i-h[0]);

for (i = 1; i < n; i++)

for (j = h[i]; j <= MAXH; j++)

{

p = h[i-1];

q = MAXH;

while (q-p > 2)

{

k = (q-p+1)/3;

l = p+k;

r = q-k;

if (d[i-1][l]+c\*abs(l-j) < d[i-1][r]+c\*abs(r-j))

q = r;

else

p = l;

}

for (l = p+1; l <= q; l++)

if (d[i-1][p]+c\*abs(p-j) > d[i-1][l]+c\*abs(l-j))

p = l;

d[i][j] = d[i-1][p]+c\*abs(p-j)+(j-h[i])\*(j-h[i]);

}

p = inf;

for (i = h[n-1]; i <= MAXH; i++)

if (p > d[n-1][i])

p = d[n-1][i];

printf("%d\n", p);

return 0;

}