```cpp
#include <bits/stdc++.h>
using namespace std;
int h[100005];
long long dp[100005];
const long long INF = 1e18;
int main() {
    int n, k;
    cin >> n >> k;
    for (int i = 1; i <= n; i++) {
        cin >> h[i];
    }
    for (int i = 1; i <= n; i++) {
        dp[i] = INF;
    }
    dp[1] = 0;
    for (int i = 1; i <= n; ++i) {
        for (int j = i + 1; j <= min(i + k, n); j++) {
            dp[j] = min(dp[j], dp[i] + abs(h[i] - h[j]));
        }
    }
    cout << dp[n] << endl;
    return 0;
}
```