Jump

You have N blocks you need to cross, i.e. reach the N'th block. You are initially on block number 1. Each block has a cost Ci of landing on it.
Another constraint is that your jump distance varies, such that your i'th jump can be at-max of distance Di. Hence if you are at block number x you can jump upto block y on ith jump s.t x < y <= x+Di
Find the minimum cost needed to cross.

Input:
First line contains N, the number of blocks.
Next N numbers denoting Ci.
Next N-1 numbers describing Di.

Output:
Minimum cost

Constraints:
1 <= N <= 2000
1 <= Ci, Di <= 10^9
Time: 1 sec

Sample Input:
5
1 2 3 4 5
2 2 2 2

Sample Output:
9