import java.io.\*;

import java.util.\*;

class Traingle

{

static int A[][] = {{2},

{3, 9},

{1, 6, 7}};

// Util function to find

// minimum sum for a path

static int minSumPath()

{

// For storing the result

// in a 1-D array, and

// simultaneously updating

// the result.

int []memo = new int[A.length];

int n = A.length - 1;

// For the bottom row

for (int i = 0;

i < A[n].length; i++)

memo[i] = A[n][i];

// Calculation of the

// remaining rows, in

// bottom up manner.

for (int i = A.length - 2;

i >= 0; i--)

for (int j = 0;

j < A[i].length; j++)

memo[j] = A[i][j] +

(int)Math.min(memo[j],

memo[j + 1]);

// return the

// top element

return memo[0];

}

// Driver Code

public static void main(String args[])

{

System.out.print(minSumPath());

}

}