Momo's Part Time Job

問題描述：

    Princess Momo found that all the magic cheques are fake! Momo has no money to travel…She missed her sister princess Lala very much! So she wants to do some part time jobs when traveling to her destination. She will travel from planet 1 to planet N to see Lala. There is only one way to travel between planet i and planet $i+1$: Momo will use Lala's magic invention "trans-transporter". Then she can travel from planet i to planet $i+1$ in an instant, but unfortunately, she need to put C_i money into "trans-transporter" to launch! As long as Momo has money, she can use "trans-transporter" many times in a day.

    Momo has no money, so she need to work in some cities, working all day long in planet i can earn P_i money! Momo hopes to see her sister Lala as fast as possible, how many days does she need?

輸入說明：

    Input begins with an integer $T(1<=T<=250)$, the number of test case. Each test case would be in the following format.

    Line 1 : N $(2<=N<=10000)$
    Line 2 : N numbers, which are $P_1, P_2, ... P_N$ $(1<=P_i<=1000000)$
    Line 3 : $N-1$ numbers, which are $C_1, C_2, ... C_{N-1}(1<=C_i<=1000000)$

輸出說明：

    Each test case outputs one line, which is the shortest days Momo need to spend to get to the planet where her sister Lala lives in.

範例：

Sample Input:	Sample Output:
3 3 10 1 5 1 30 3 1 10 5 10 30 2 1 100 1000	4 13 1000