Problem 5: Sweet Tooth

It's the Summer of 1957 and Brian and his friends are gathered for a delightful penny candy shopping spree at their local corner store. Each person knows how many pieces of candy they want to buy and how much they have to spend. They decide it will be simpler to just make a single collective purchase, so they want to know how much they will spend all together.

Input consists of three lines. The first line contains an integer (N) indicating the number of friends (2 ≤ N ≤ 16). The second line contains N integers, indicating the number of pennies each friend has to spend. The third line contains N integers, indicating the number of candies each friend wants to purchase. Numbers on the same line are separated by a single space and all amounts are between one and one hundred, inclusive.

Output the total number of penny candies bought by the group of friends based on their desires and budgets.

Sample input 1   Sample output 1

```
6
20 40 60 26 80 61
20 40 60 20 47 28
```

```
215
```

Everyone has more pennies than the number of candies they want to buy.

Sample input 2   Sample output 2

```
8
45 23 89 31 33 90 13 1
67 32 78 34 38 93 38 11
```

```
325
```

Collectively, the group wants 391 penny candies, however they only have 325 pennies.