Problem J: Recycle

Filename: `recycle`

Time limit: `1 second`

So on the first day of UCF SI Eric watched Arup rummage through the garbage can. He recalled that Arup had this pet peeve where he hates watching food go to waste. At that moment he really thought that this seemed a little extreme even for a pet peeve to have him rummage through the garbage can. A little concerned he watched for another minute. After watching, Eric realized Arup wasn't eating anything but instead collecting plastic bottles. He deduced that Arup must have another pet peeve about recycling. Then, Eric wondered how many times he is going to see Arup go through the garbage in the next two weeks if the kids keep throwing away plastic bottles. Note that Travis also throws away plastic bottles, but Arup refuses to clean up after adults, so he won't pick up Travis's bottles from the trash; he will make Travis do his own dirty work!

Problem

Given the number of plastic bottles the 16 students and Travis threw in the garbage, determine the number of plastic bottles Arup will fish out of the trash, knowing that he only fishes out the bottles that the students have thrown in the trash.

Input

The input will begin with a positive integer c, indicating how many test cases will be evaluated.

Each test case will contain 17 space separated integers on a single line. The first 16 integers, s_i, will indicate how many plastic bottles the ith student threw away during the camp, ($1 \le i \le 16$). The 17th integer, t, indicates how many plastic bottles Travis threw away during the summer camp.

Output

For each test case output how many plastic bottles Arup collected during the camp on a line by itself.

Input Bounds and Corresponding Credit

100 Points
$1 \le c \le 16$ $0 \le s_i \le 100$, $1 \le i \le 16$ $0 \le t \le 100$

Samples

Input	Output
3	136
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 0	16
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1	