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Problem | Program

Accomodate refugees

Apart from the evacuations of the Indian Government through air, there was an evacuation through waters volunteered by the Oyster Marine Management from India captained by MV Safeer. MV Safeer along with his crew of 22 members in a Cargo Ship had sailed to the Shuwaikh Port in Kuwait to rescue the Indians to Dubai.

The maximum weight the ship was equipped to facilitate is X. The sum of the weights of the people who had already boarded the ship is Y. The final 3 refugees of weight W_1, W_2, and W_3 were waiting to board the ship.

The Captain Safeer was particular that he shouldn't over load the ship which may ruin the entire operation. However he wanted to accomodate more refugees to the ship. Can you help Safeer to decide on how many of the three people can board the ship?

Input Format:
The first line of the input consists of an integer value that corresponds to the maximum weight the cargo ship can accomodate.
The second line of the input consists of an integer value that corresponds to the sum of the weights of the people who had boarded the ship already.
Following input consists of 3 integers W_1, W_2, and W_3, which corresponds to the weights of the refugees waiting upon for boarding.
All units in kilograms.

Output Format:
Print the number of people from the 3 who can board the ship or "None" if not possible.
Refer sample input and output for formatting specifications.

Sample Input 1:
5000
4750
90
78
80
Sample Output 1:
3

Sample Input 2:
4500
4356
80
74
70
Sample Output 2:
2

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