Bill Counter

Anna and Brian are sharing a meal at a restaurant and they agree to split the bill equally. Brian wants to order something that Anna is allergic to though, and they agree that Anna won't pay for that item. Brian gets the check and calculates Anna's portion. You must determine if his calculation is correct.

For example, assume the bill has the following prices: bill = [2, 4, 6] . Anna declines to eat item k = bill[2] which costs 6. If Brian calculates the bill correctly, Anna will pay (2 + 4)/2 = 3. If he includes the cost of , he will calculate (2 + 4 + 6)/2 = 6. In the second case, he should refund 3 to Anna.

Function Description

Complete the function in the editor below. It should print Bon Appetit if the bill is fairly split. Otherwise, it should print the integer amount of money that Brian owes Anna.

bonAppetit has the following parameter(s):

- bill: an array of integers representing the cost of each item ordered
- k: an integer representing the zero-based index of the item Anna doesn't eat
- b: the amount of money that Anna contributed to the bill

Input Format

N space-separated integers bill[i](NSArray of NSNumbers) where 0 <= i < n, the 0-based index of the item that Anna did not eat and an NSNumber, b, the amount of money that Brian charged Anna for her share of the bill ().

Output Format

If Brian did not overcharge Anna, return @«Bon Appetit»; otherwise, return the difference (i.e., $b_{charged}$ - b_{actual}) that Brian must refund to Anna. This will always be a string (e.g. @«10»).