**QUESTION 1:**

**Statement:**

**Consider a situation that a man needs some socks, so he goes to a store. This store sells socks, not in pairs, but in singles for Rs S each. The Man has X money with him. He first gets a jacket worth Rs. Y, then buys socks (as much as he can afford) with the remaining money.**

**Assuming that The Man wears a pair of the socks everyday without reusing, will there be a single sock remaining unused on the last day ?**

**Input :**

**The first line of input contains three integers — jacketCost, sockCost, money — denoting the cost of a jacket, cost of a single sock, and the initial amount of money The Man has.**

**Output :**

**YES, if a single sock shall remain on the last day or**

**NO, if all socks are used.**

**Example**

**Input: Output:**

**1 2 3 NO**

**Input: Output:**

**1 2 6 YES**

**Explanation**

**Test #1:**

**When The Man arrived at the shop, he had 3 rupees. After buying the jacket, he has 2 rupees left, enough to buy only 1 sock.**

**Test #2:**

**The Man had 6 rupees in the beginning. After buying the jacket, he has 5 rupees left, enough to buy a pair of socks for 4 rupees.**