**18 ABString**

**Check whether in a given string all letters 'a' occur before all letters 'b'.**

**Task description:**

* Write a function solution that, given a string S consisting of N letters 'a' and/or 'b' returns true when all occurrences of letter 'a' are before all occurrences of letter 'b' and returns false otherwise.
* **Examples:**
* Given S = "aabbb", the function should return true.
* Given S = "ba", the function should return false.
* Given S = "aaa", the function should return true. Note that 'b' does not need to occur in S.
* Given S = "b", the function should return true. Note that 'a' does not need to occur in S.
* Given S = "abba", the function should return false.
* Write an efficient algorithm for the following assumptions:
* N is an integer within the range [1..300,000];
* string S is made only of the characters 'a' and/or 'b'.