5 A module `Parity()` takes a string as a parameter. The parameter has the identifier `BitString` and it represents a binary value.

The module will concatenate a single character to the end of `BitString` by applying one of the two rules:

- `'0'` if `Bitstring` contains an even number of 1s
- `'1'` if `Bitstring` contains an odd number of 1s.

The modified value of `BitString` is then returned.

For example:

Parameter	String returned	Explanation
`"0010010110"`	`"0010010110`**`0`**`"`	there are an even number of 1s in the string passed to `Parity()` so a `'0'` is concatenated to the end of `BitString`
`"101010"`	`"101010`**`1`**`"`	there are an odd number of 1s in the string passed to `Parity()` so a `'1'` is concatenated to the end of `BitString`

Write pseudocode for the module `Parity()`

Assume the parameter `BitString` can only contain the characters `'0'` and `'1'`

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