Add Binary

We walk from right to left, add digits plus a carray, and build the result.

Key Idea:

- Start from the least significant bit (end of both strings).
- For each position: sum = carry + (digit from a if any) + (digit from b if any)
  - Result digit = sum % 2
  - New carry = sum // 2
- At the end, if carry > 0, append it.
- Reverse the accumulated result string.

Complexity:

- Time: O(max(|a|, |b|)) - each digit processed once
- Space: O(max(|a|, |b|)) for the result string