Answer Key: -2.0625

Part 11 of 11 / 4.0 Points

In this question, you are provided with two <u>unsigned</u> binary numbers, A and B.

You are asked to evaluate (-A - B) as well as (-A + B) using the <u>two's complement 12-bit number system</u>.

If the result is encoded in <u>less</u> than 12 bits (including the sign bit), you need to <u>extend</u> it to fill the entire 12 bits.

If your answer is less than 12 bits or more than 12 bits, you will get zero.

Indicate if an overflow occurred or not.

N.B.: You need to provide the entire 12-bit result, even if an overflow occurs.

You MUST report the answer in 2's complement.

Do *NOT* convert the number back from the 2's complement. Leave it in the 2's complement representation.

Question 11 of 12	2.0 Points
When A = 10001110001 and B = 110013	1101,
the value of (-A - B) = \checkmark 10011111002 yes, if not type no \checkmark yes; and	10 , If an overflow occurred during evaluating this expression, type
the value of (-A + B) = \checkmark 110100101100 , If an overflow occurred during evaluating this expression, type yes, if not type no \checkmark no	
Answer Key: 100111110010, N NO No	o no, 110100101100, N NO No no
Question 12 of 12	2.0 Points
When A = 10111101011 and B = 101000	010000,
the value of $(-A - B) = $ $($	ا کے دی مسولاست کا کے دی اور کا کہ میں کا کہ دی ہے۔ اور کا کہ میں کا کہ دی ہے۔ اور کا کہ کا کہ دی ہے۔ اور کا کہ ک
	$\underline{1}$, If an overflow occurred during evaluating this expression, type

Answer Key: 010100000101, Y|Yes|yes|YES, 111100100101, N|NO|No|no