

Tests & Quizzes

Assignment 3

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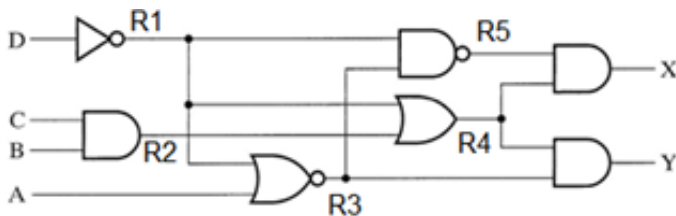
Part 1 of 3 / 5.0 Points

Given the values of A, B, C, and D (as shown below), **what are the values of R3, R4, R5, X, and Y?**

Your answer for each value **MUST** be either **0** or **1**.

Do **NOT** add any extra symbols or spaces.

Attachments



Question 1 of 7 2.5 Points

When A = 1, B = 0, C = 1, and D = 1,

the value of R3 will be = ☒ 0 ,

the value of R4 will be = ☒ 0 ,

the value of R5 will be = ☒ 1 ,

the value of X will be = ☒ 0 ,

the value of Y will be = ☒ 0

Answer Key: 0, 0, 1, 0, 0

Question 2 of 7 2.5 Points

When A = 0, B = 0, C = 0, and D = 1,

the value of R3 will be = ☒ 1 ,

the value of R4 will be = ☒ 0 ,

the value of R5 will be = ☒ 1 ,

the value of X will be = ✓ 0 ,

the value of Y will be = ✓ 0

Answer Key: 1, 0, 1, 0, 0

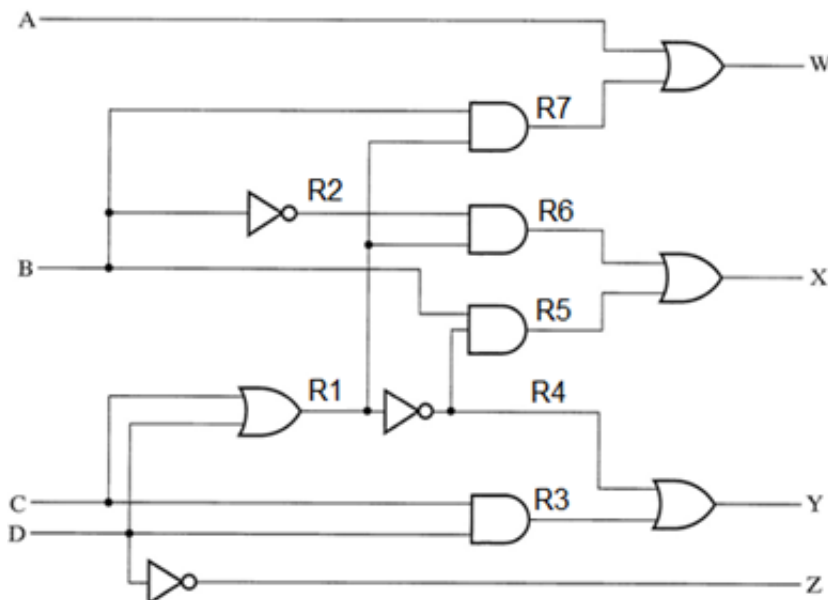
Part 2 of 3 / 6.0 Points

Given the values of A, B, C, and D (as shown below), **what are the values of W, X, Y, and Z?**

Your answer for each value **MUST** be either **0** or **1**.

Do **NOT** add any extra symbols or spaces.

Attachments



Question 3 of 7 3.0 Points

When A = 0, B = 0, C = 0, and D = 0,

the value of W will be = ✓ 0 ,

the value of X will be = ✓ 0 ,

the value of Y will be = ✓ 1 ,

the value of Z will be = ✓ 1

Answer Key: 0, 0, 1, 1

Question 4 of 7 3.0 Points

When $A = 0$, $B = 1$, $C = 1$, and $D = 0$,

the value of W will be = ☒ 1 ,

the value of X will be = ☒ 0 ,

the value of Y will be = ☒ 0 ,

the value of Z will be = ☒ 1

Answer Key: 1, 0, 0, 1

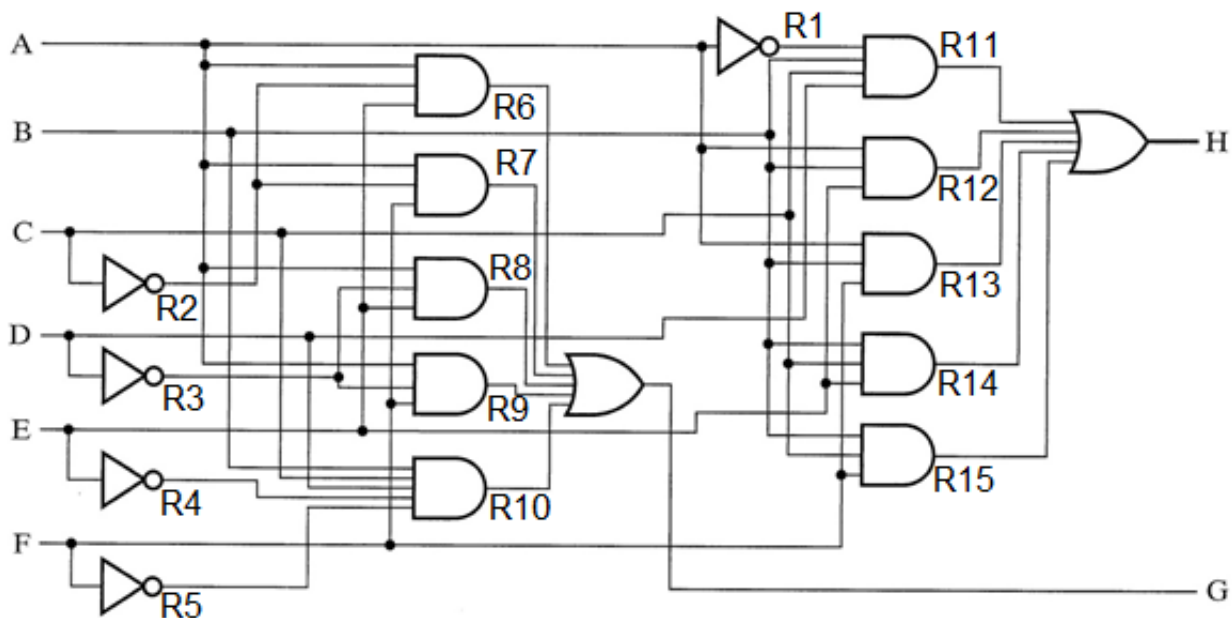
Part 3 of 3 / 9.0 Points

Given the values of A , B , C , D , E , and F (as shown below), **what are the values of H and G ?**

Your answer for each value **MUST** be either **0** or **1**.

Do **NOT** add any extra symbols or spaces.

Attachments



Question 5 of 7 3.0 Points

When $A = 0$, $B = 1$, $C = 0$, $D = 0$, $E = 1$, and $F = 1$, the value of H will be = ☒ 0 and the value of G will be = ☒ 0

Answer Key: 0, 0

Question 6 of 7 3.0 Points

When $A = 1$, $B = 0$, $C = 0$, $D = 0$, $E = 1$, and $F = 0$, the value of H will be = ☒ 0 and the value of G will be = ☒ 1

Answer Key: 0, 1

Question 7 of 7 3.0 Points

When $A = 0$, $B = 0$, $C = 1$, $D = 0$, $E = 1$, and $F = 0$, the value of H will be = ☒ 0 and the value of G will be = ☒ 0

Answer Key: 0, 0