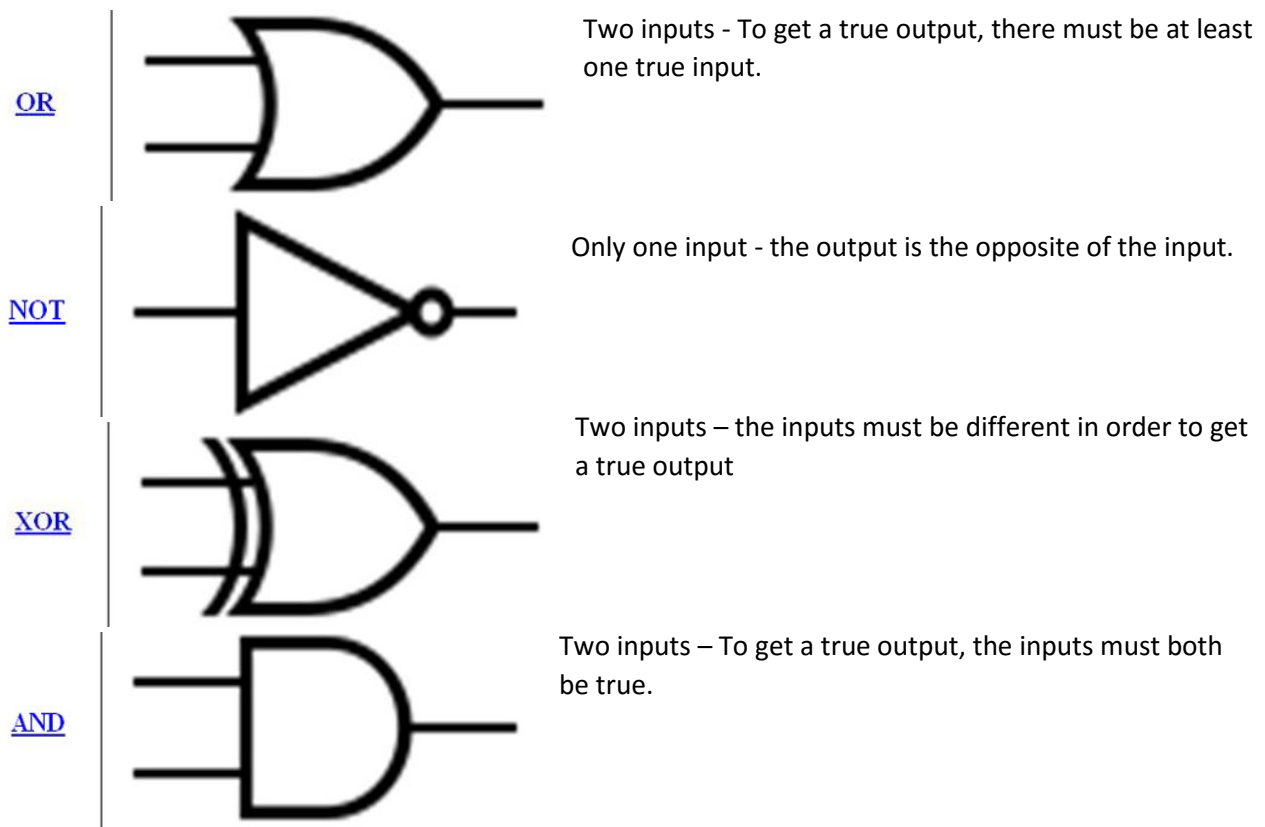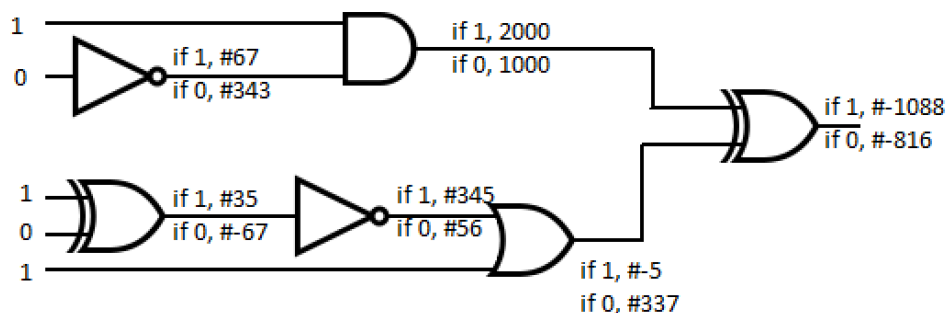**Think of logic gates as little specialized metal detectors – in order for you to pass, (aka achieve a true output) you must first make sure you have the right combination of materials (aka input). For this puzzle you are tasked with going through four logic gates, here they are listed:**

OR

Two inputs - To get a true output, there must be at least one true input.

NOT

Only one input - the output is the opposite of the input.

XOR

Two inputs – the inputs must be different in order to get a true output

AND

Two inputs – To get a true output, the inputs must both be true.

The numbers 0 and 1 act as your inputs and outputs. For example, looking at the not gate, it only requires one input, if you put in let's say 1 as an input, your output is the opposite of that input – so in this case it would be 0.

1

0

if 1, #67
if 0, #343

if 1, 2000
if 0, 1000

if 1, #-1088
if 0, #-816

1

0

if 1, #35
if 0, #-67

if 1, #345
if 0, #56

1

if 1, #-5
if 0, #337

Each output of each gate gives either a 1 or a 0 – that 1 or 0 also corresponds to a number. Clear the logic gates, find out your outputs and then add up the numbers corresponding to that output!

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