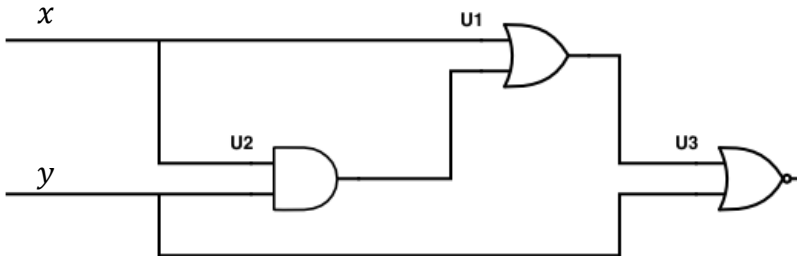


9/21/15

Don't Cares



1. Observability Don't Cares:

For which settings of x, y does the output of $U1$ "not matter" for the final output of the circuit?

2. Satisfiability Don't Cares:

Which setting of the input wires to $U1$ cannot occur?

Universal Gates

1. Prove that the 3-input gate $f(x, y, z) = x\bar{y}z + x + y\bar{z}$ is universal.