

HW3a

1. Use DeMorgan's theorem to remove the complement outside the braces:

(a) $((x+w')' + w'y'z + (x+z)'(x+y))'$,

(b) $(x(yz' + y'z)' + wy(y' + x'z))'$,

(c) $(x+y)' + z'(x'+z)'$.

For each problem, use Verilog to simulate the two logic functions before and after brace removal for function verification.