



Digital Logic – Combinational Logic Combinational Logic Design Process			2.7
	Step	Description	
Step 1	Capture the function	Create a truth table or equations, <i>whichever is</i> <i>most natural for the given problem</i> , to describe the desired behavior of the combinational logic.	
Step 2	Convert to equations	This step is only necessary if you captured the function using a truth table instead of equations. Create an equation for each output by ORing all the minterms for that output. Simplify the equations if desired.	
Step 3	Implement as a gate- based circuit	For each output, create a circuit corresponding to the output's equation. (Sharing gates among multiple outputs is OK optionally.)	
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