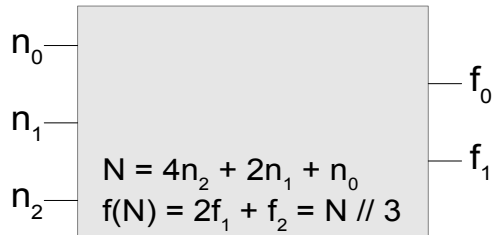


Complete the combinational circuit design process for a circuit that computes the integer division of an unsigned 3-bit integer by 3. Here is the blackbox informal discription:



a) complete the truth table for the function:

n_2	n_1	n_0	N	N // 3	f_1	f_0
0	0	0				
0	0	1				
0	1	0				
0	1	1				
1	0	0				
1	0	1				
1	1	0				
1	1	1				

b) write the Boolean formulas for the function.

c) draw the circuit for the function.