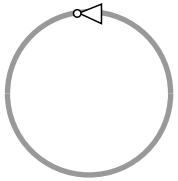
Oscillation Basics

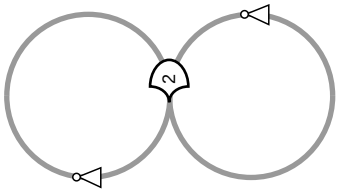
March 2014

Karl Fant

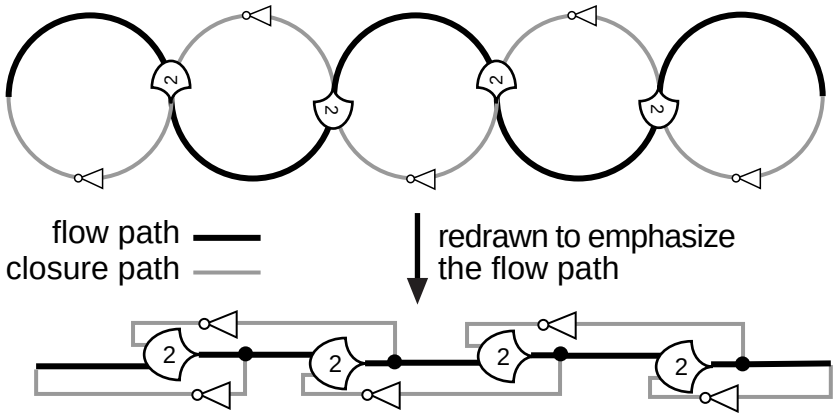
The Oscillation



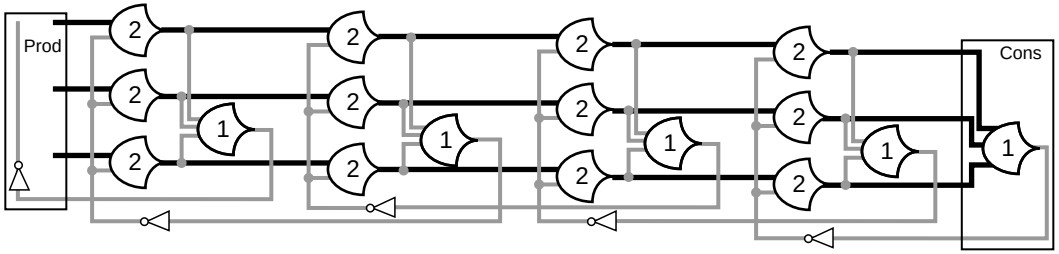
Linked Oscillations



The Flow Path

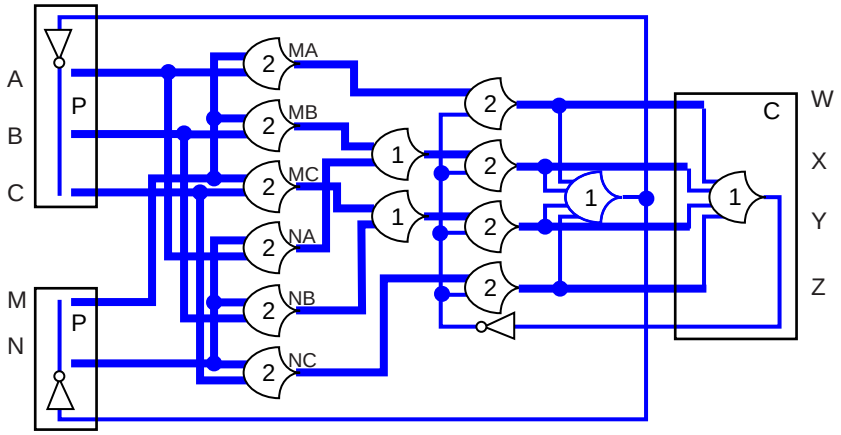


Multi-rail



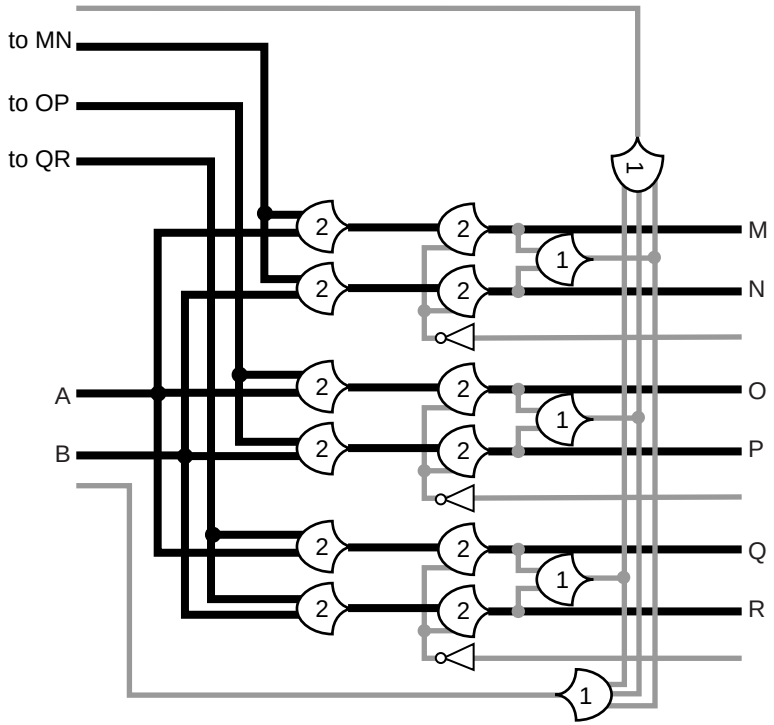
Multi-rail interaction

	A	B	C
M	W	X	Y
N	X	Y	Z



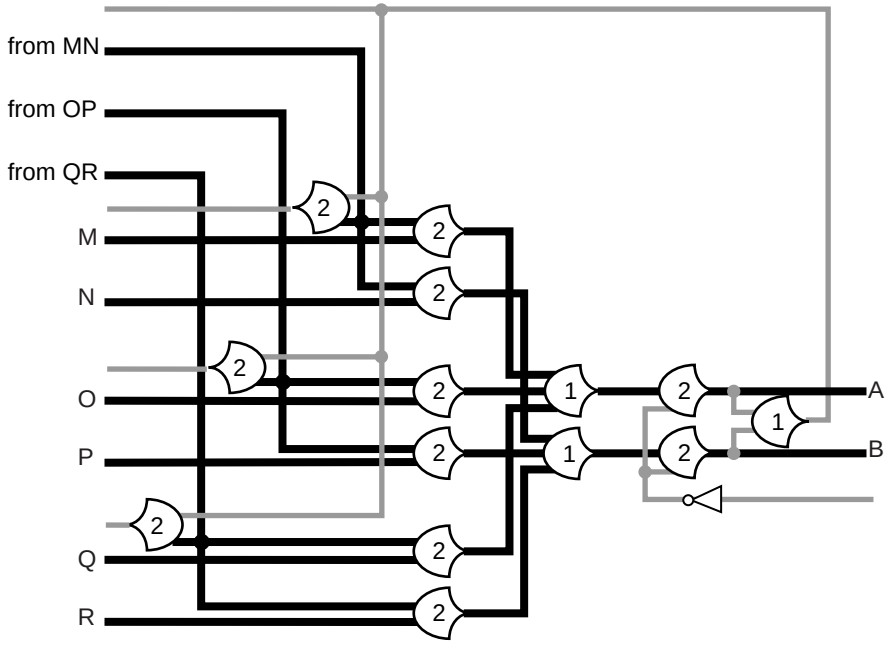
Steer Interaction

	to MN	to OP	to QR
A	M	O	Q
B	N	P	R

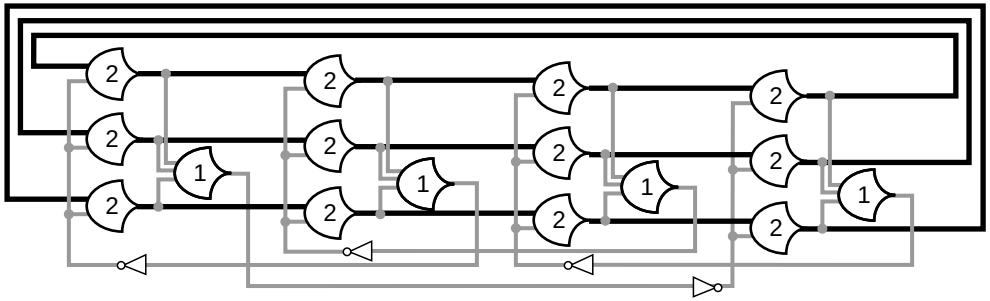


Select Interaction

	from MN	from OP	from QR
M	A	–	–
N	B	–	–
O	–	A	–
P	–	B	–
Q	–	–	A
R	–	–	B



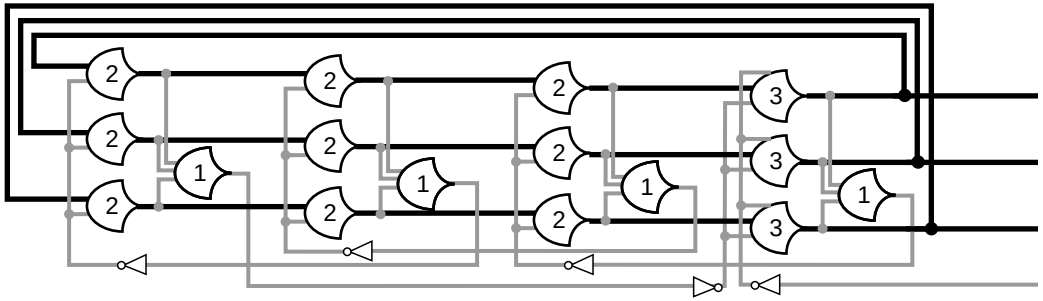
The Flow Ring

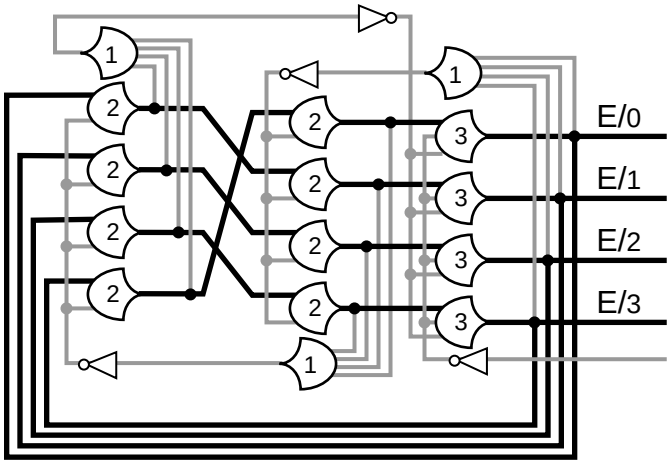


Seqeuncer

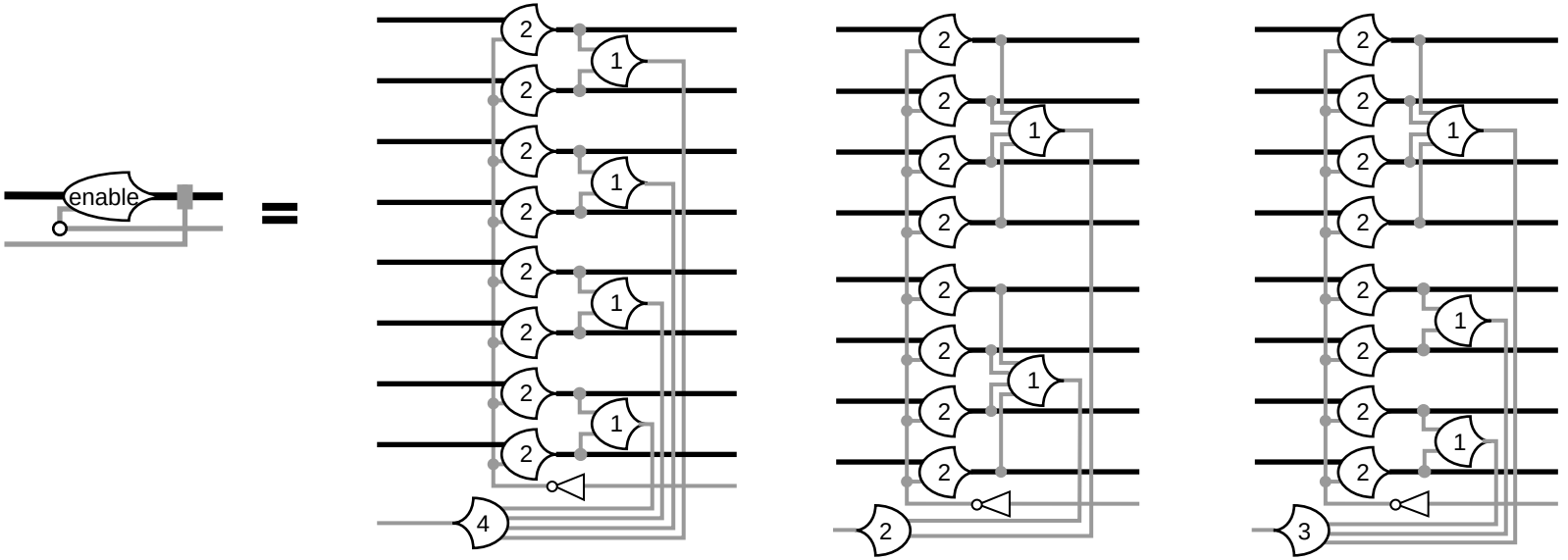
E/0	E/1	E/2	E/3
E/1	E/2	E/3	E/0

Constant

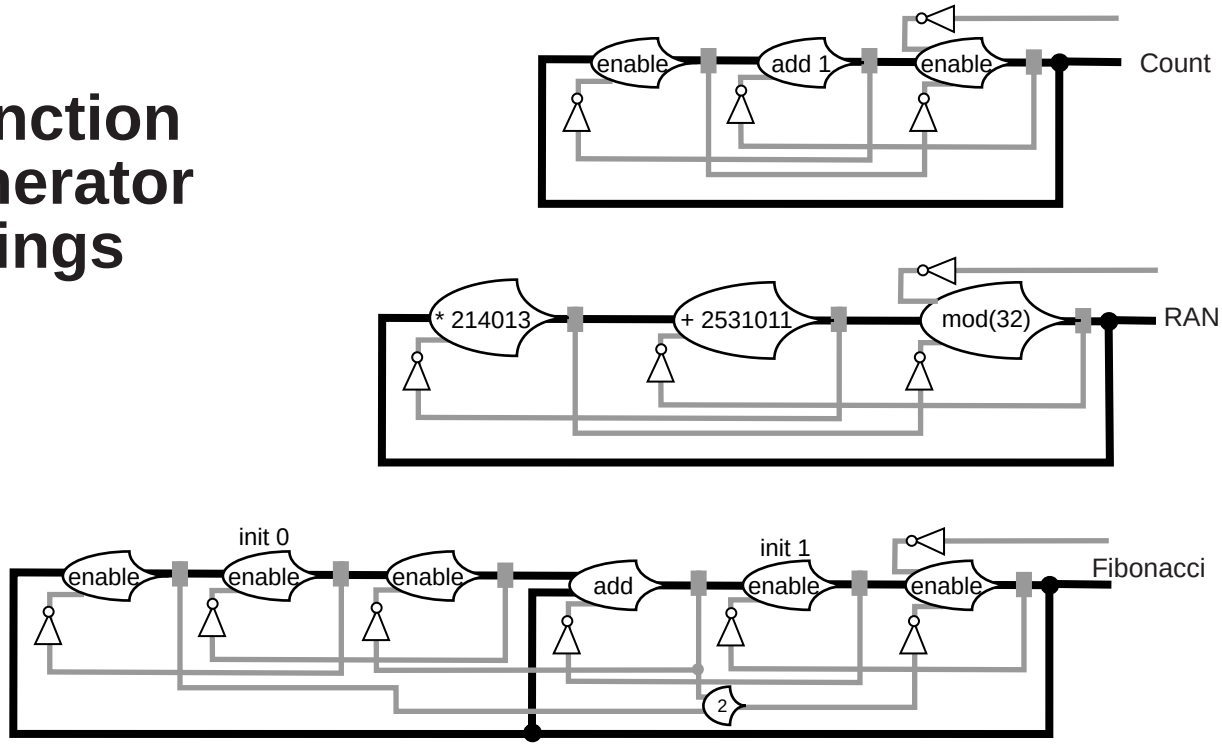




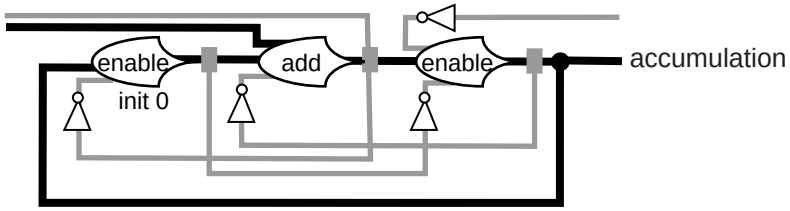
Raising the Abstraction Level

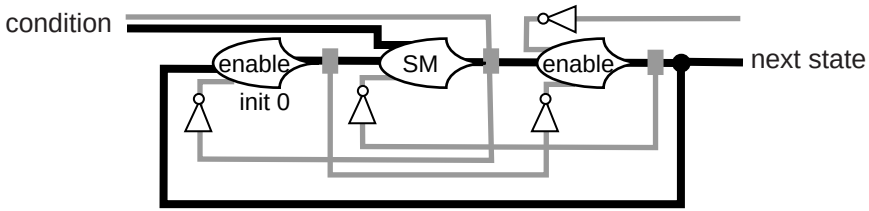


Function generator rings

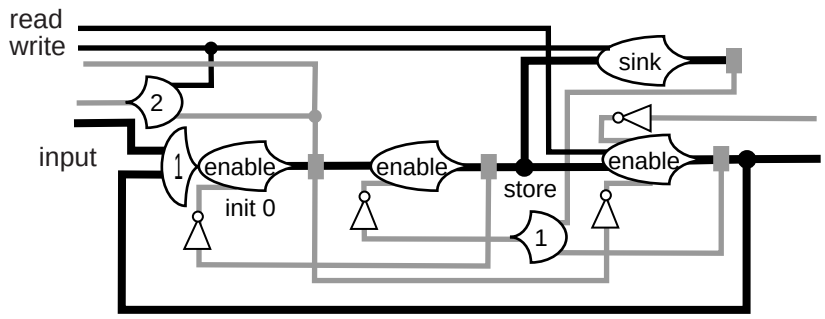


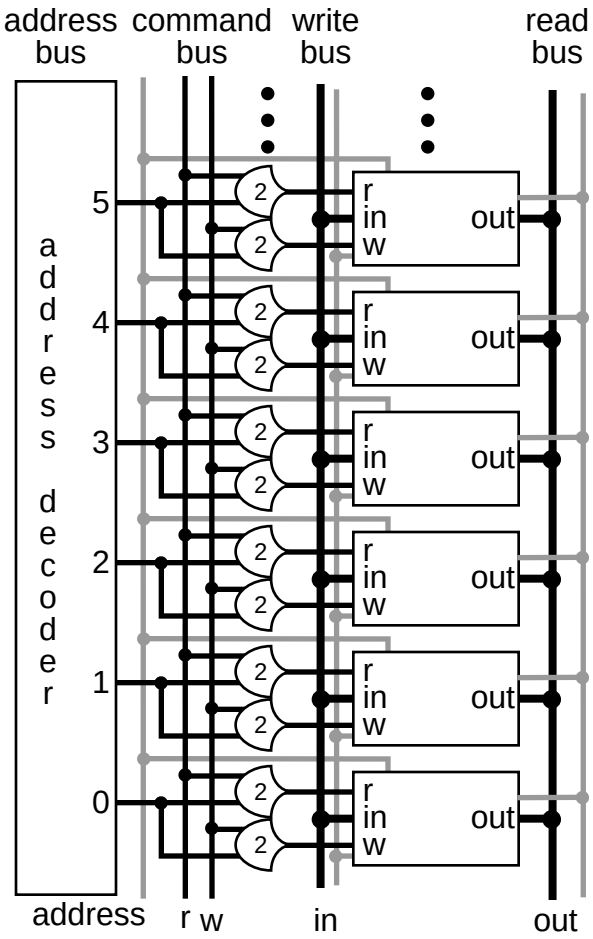
Rings with input and output



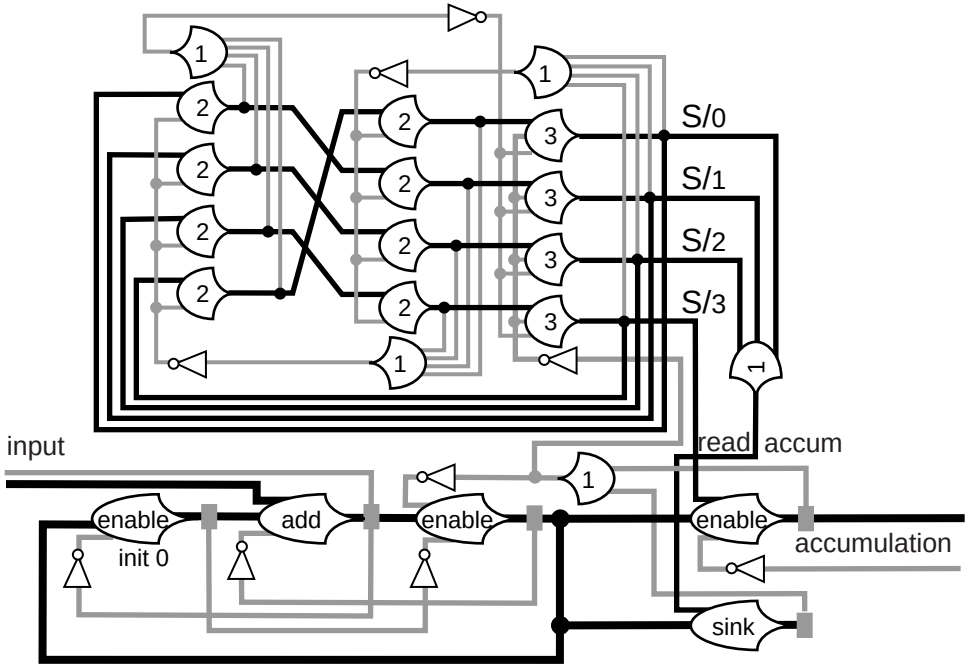


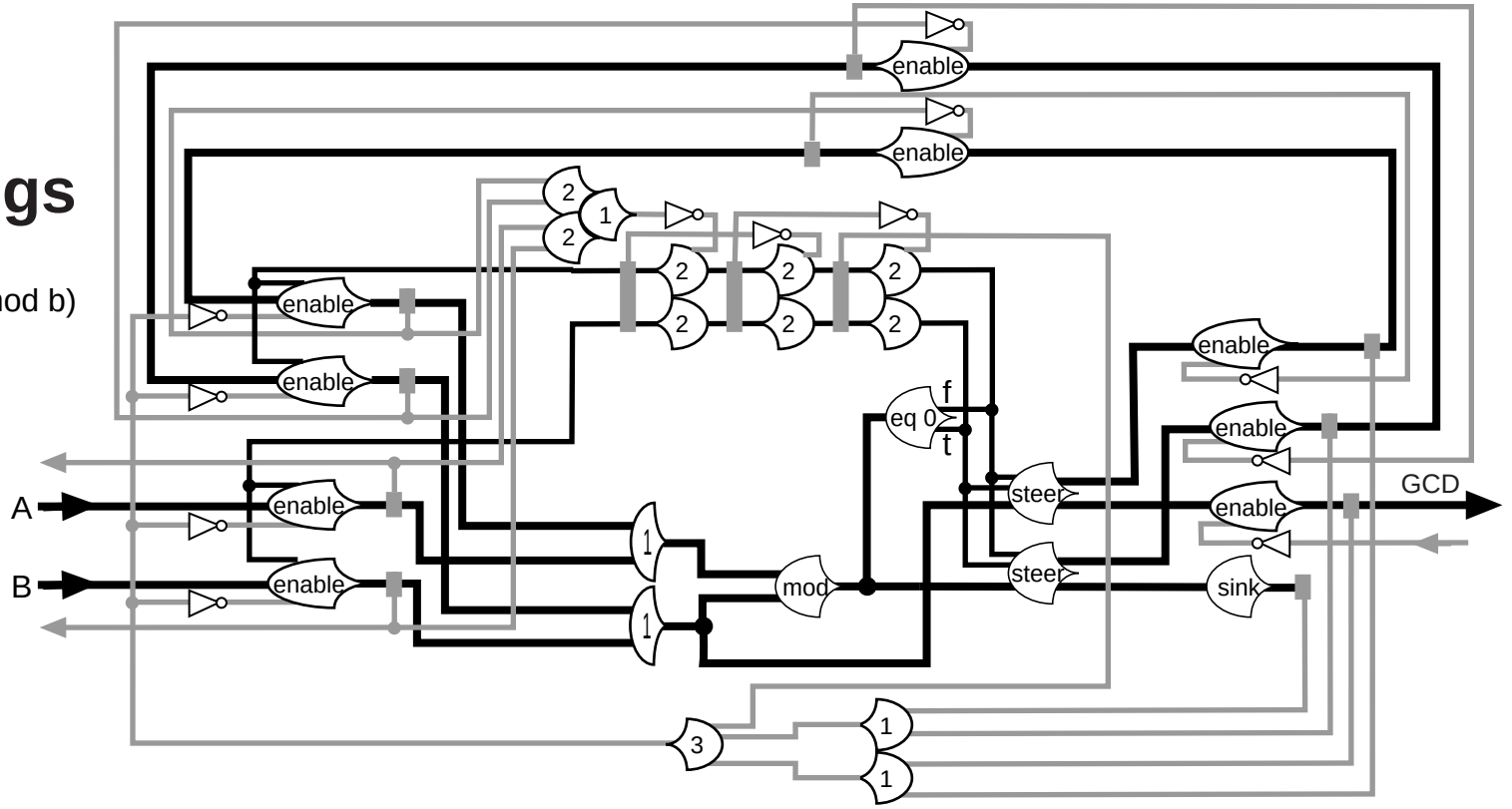
Memory





Composed rings



Iterating rings

GCD(a, 0) = a
GCD(a, b) = GCD(b, a mod b)