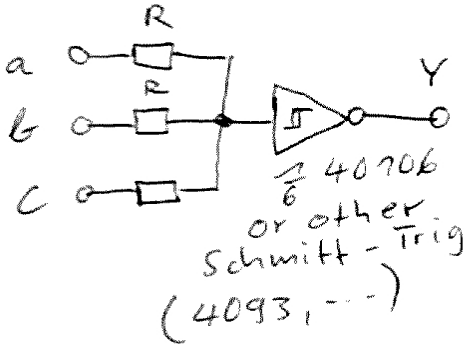
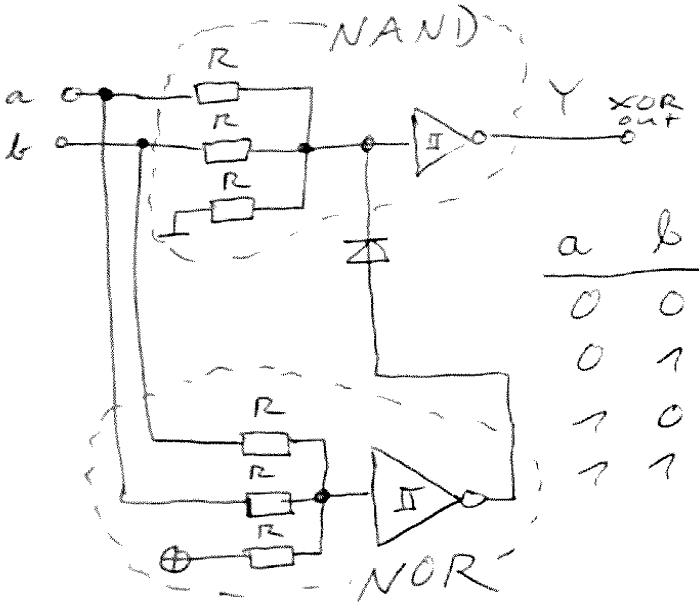
SINGLE CHIP (40106) RINGMODULATOR SOUND MODULE

(inverting, of course)

This is a NEURON
sometimes called
"majority gate"



c	b	a	Y	
0	0	0	1	if c = 0
0	0	1	1	a, b behave
0	1	0	1	like a NAND
0	1	1	0	
1	0	0	1	if c = 1
1	0	1	0	a, b behave
1	1	0	0	like a NOR
1	1	1	0	



if we force the
a, b = 0,0 condition to
a, b = 1,1
with the help of a NOR
and a diode -
we can convert the
NAND
to an
XOR

a	b	Y NAND	Y XOR
0	0	1	0
0	1	1	1
1	0	1	1
1	1	0	0

Now we use 1/3 40106 or 1/2 4093
to create an XOR.
Let's use the rest to make some
oscillators an create a 1-chip
Lunettic RINGMODULATOR sound module: