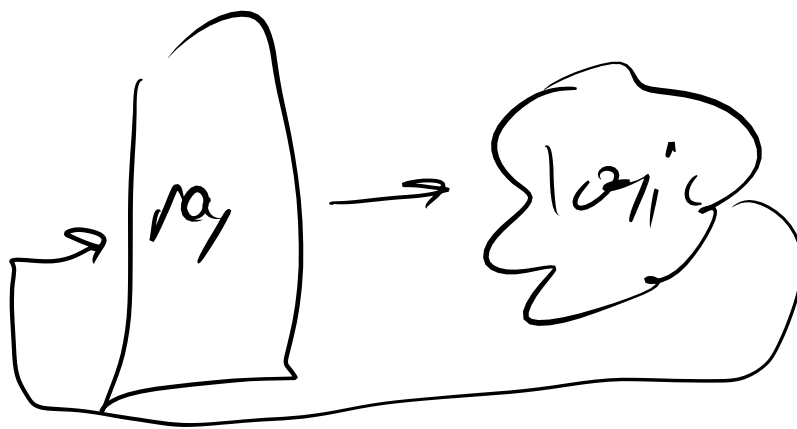
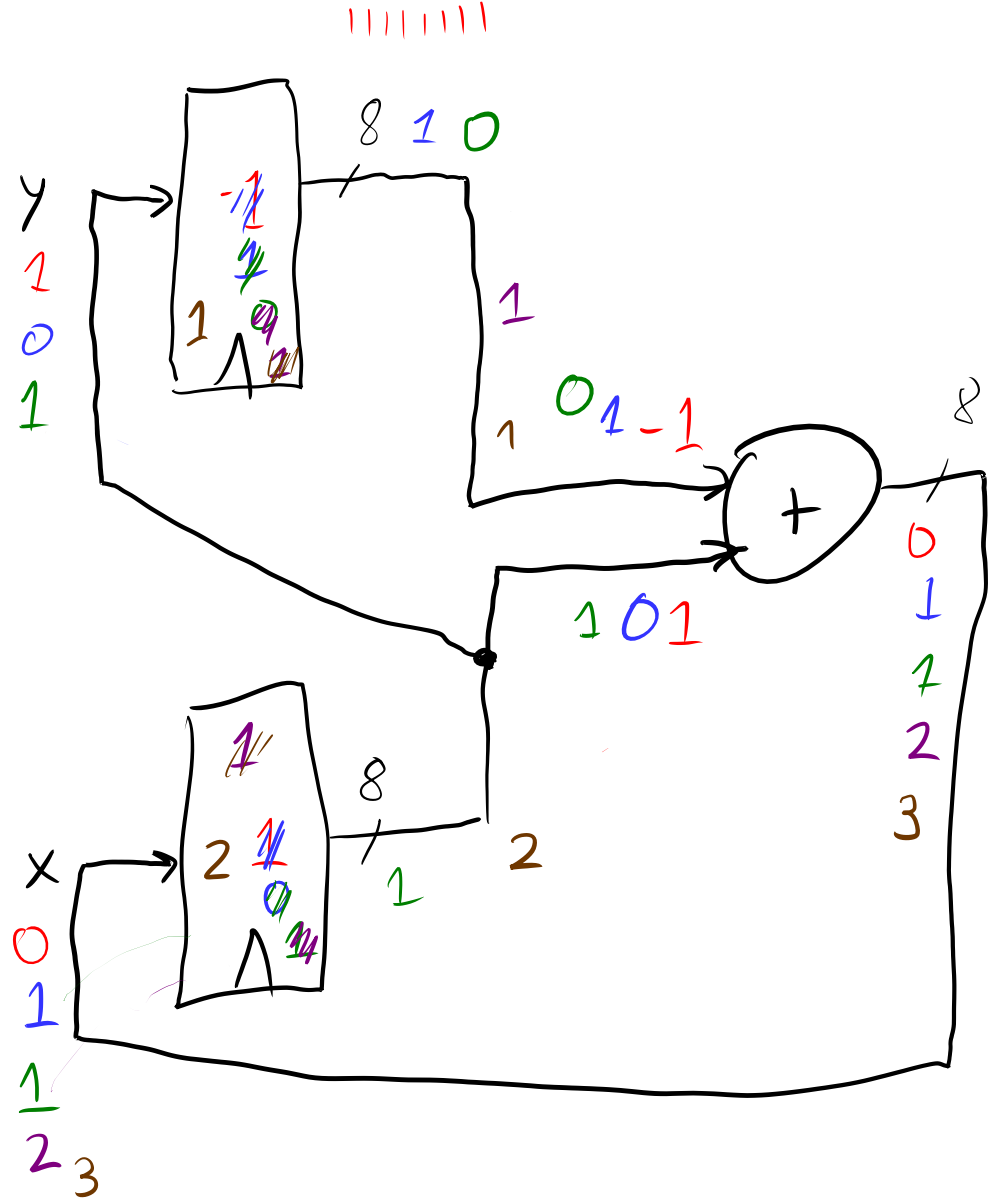


Please take a HW 02 sheet from the table at the front



X	Y	tick
0	1	0
1	0	1
1	1	2
2	1	3
3	2	4
5	3	5
8	5	6
13	8	...



$$x == y \rightarrow \sim \left(\begin{array}{l} \text{or the bits} \\ (x \wedge y) \end{array} \right)$$

	<u>==</u>	&
	!=	
\sim (or the bits)	!	^
	<=	~
	>=	+
	<	-
	>	*
$x < 0$		/
$x < y \rightarrow x - y < 0$		%
	?	:
	=	
	[]	

$$\begin{array}{r}
 34809 \\
 \times \quad 1101 \\
 \hline
 34809 \\
 00000 \\
 34809 \\
 + 34809 \\
 \hline
 \end{array}$$

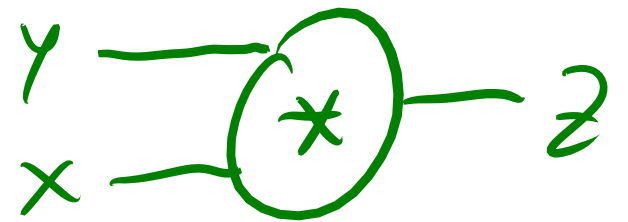
$$(a == b ? 32 : x) * y$$

$$z = b ? x : y \equiv$$

if (b) z = x
else z = y

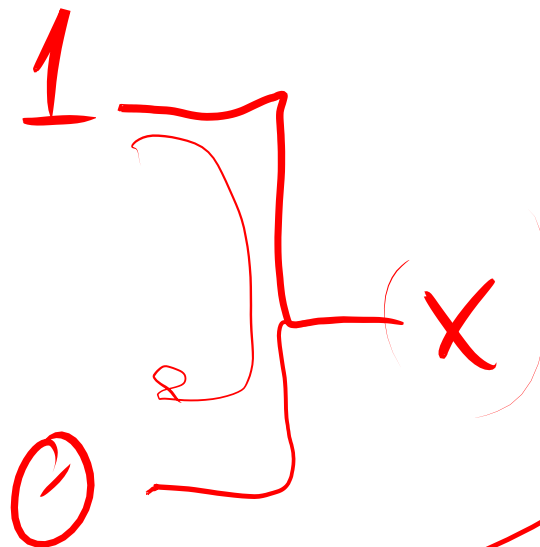
$$Z = x * y$$

Single-assign only



$$x = 1$$

$$x = 0$$

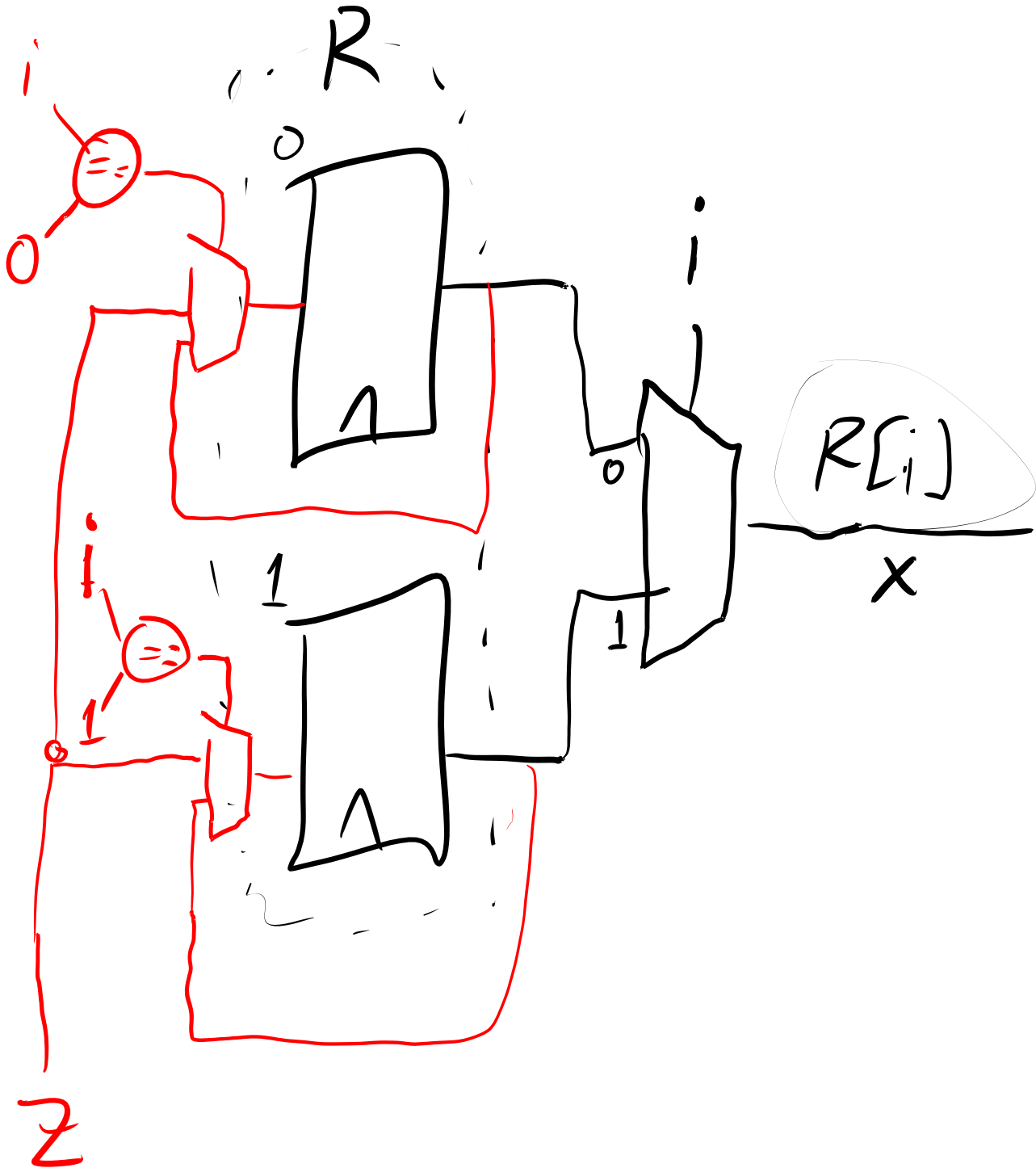


$x[i]$

$x = R[i]$

\neq

$R[i] = z$



Memory

SRAM

DRAM

Storage

Flash

magnetic