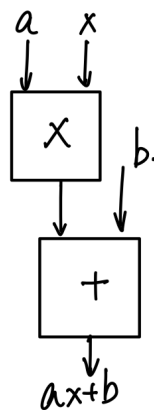
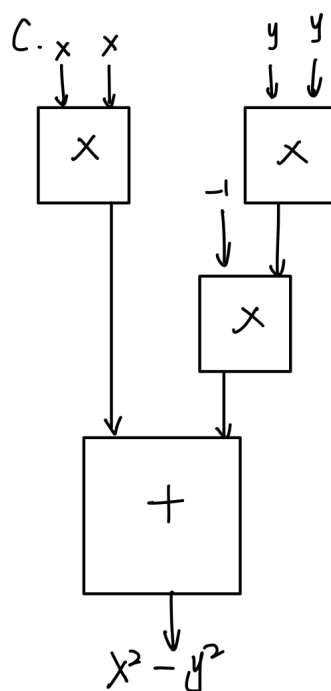
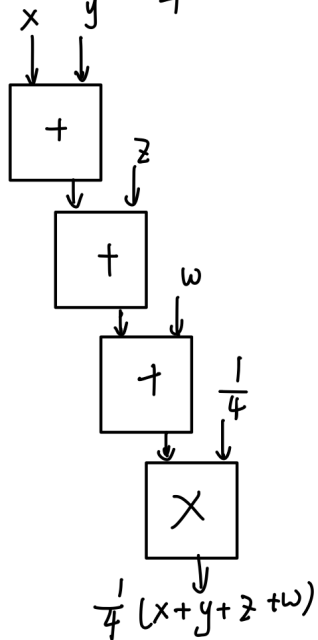
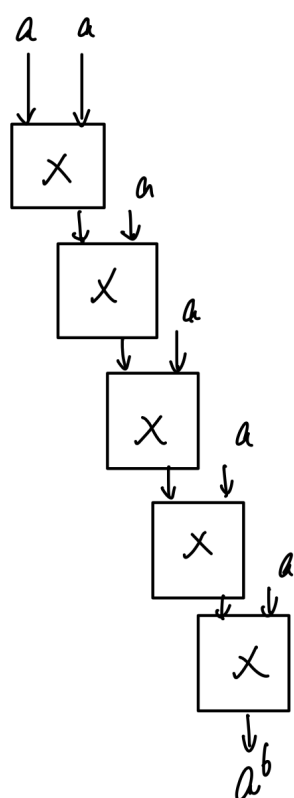


# HW1

1. T1

T1 a.  $ax+b$ b.  $\frac{x+y+z+w}{4}$ d.  $a^b$ 

2. (1)

a. 01100010

b. 10010111

(2)

c. 66

d. -17

3. a. 110100 DEC: -12

b. 00100101 DEC: 37

c. 0111 DEC: 7

d. 1111 DEC: -1

4. a. 11101011

b. 00011110

c. 11110000

d. 00000001

5. 0 10000001 00010011001100110011010

若指数域全为1并且尾数域全为0，那么当符号位为1时表示负无穷，当符号位为0时，表示正无穷；若指数域全为1，但是尾数位不全为0，那么表示非数NaN。

6. 2022.5625

7. (1) a. 10000101

b. 11111111

c. 10101111

(2) d. 1001101111111101

e. 0101000000000111

8. T8

A	B	C	$Q_1$	A	B	C	$Q_2$
0	0	0	1	0	0	0	0
0	0	1	0	0	0	1	0
0	1	0	1	0	1	0	0
0	1	1	0	0	1	1	0
1	0	0	1	1	0	0	0
1	0	1	0	1	0	1	0
1	1	0	1	1	1	0	0
1	1	1	1	1	1	1	1

$$Q_2 = ABC$$

9. Eiho

10. 1.7976931348623157E+308

11. T11

