

3.

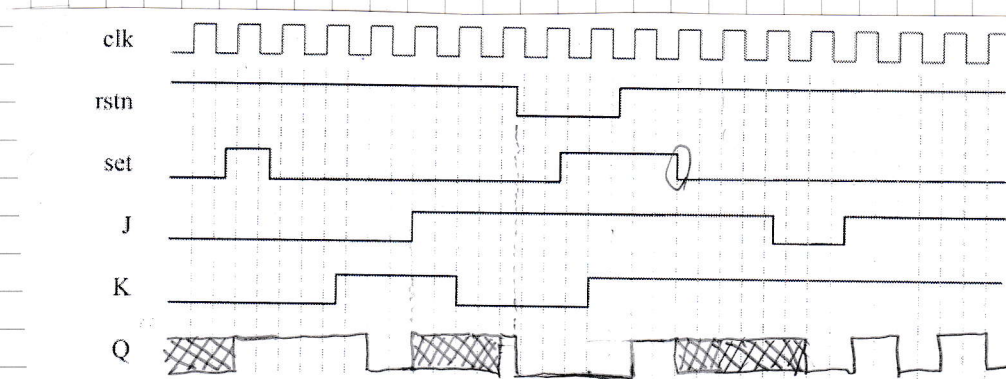
a.
$$\begin{array}{r} 01011.01 \\ 10100.11 \end{array} \rightarrow$$

b.
$$\begin{array}{r} 101011000 \\ 010101000 \end{array} \rightarrow$$

c.
$$\begin{array}{r} 101000000111.1110 \\ 01011111000.0010 \end{array} \rightarrow 5F8.2_{16}$$

* $2^1 12^{\frac{1}{2}} 2^{\frac{1}{2}} 2^{\frac{1}{2}} 2^{\frac{1}{2}} 2^{\frac{1}{2}} 2^{\frac{1}{2}}$

4.



5. Structural model
Dataflow or continuous assignment model
Behavioral model

6.

(a)

$$\begin{array}{l} A = 99 \\ B = 99 \end{array}$$

(b)

$$\begin{array}{l} A = 99 \\ B = 3 \end{array}$$