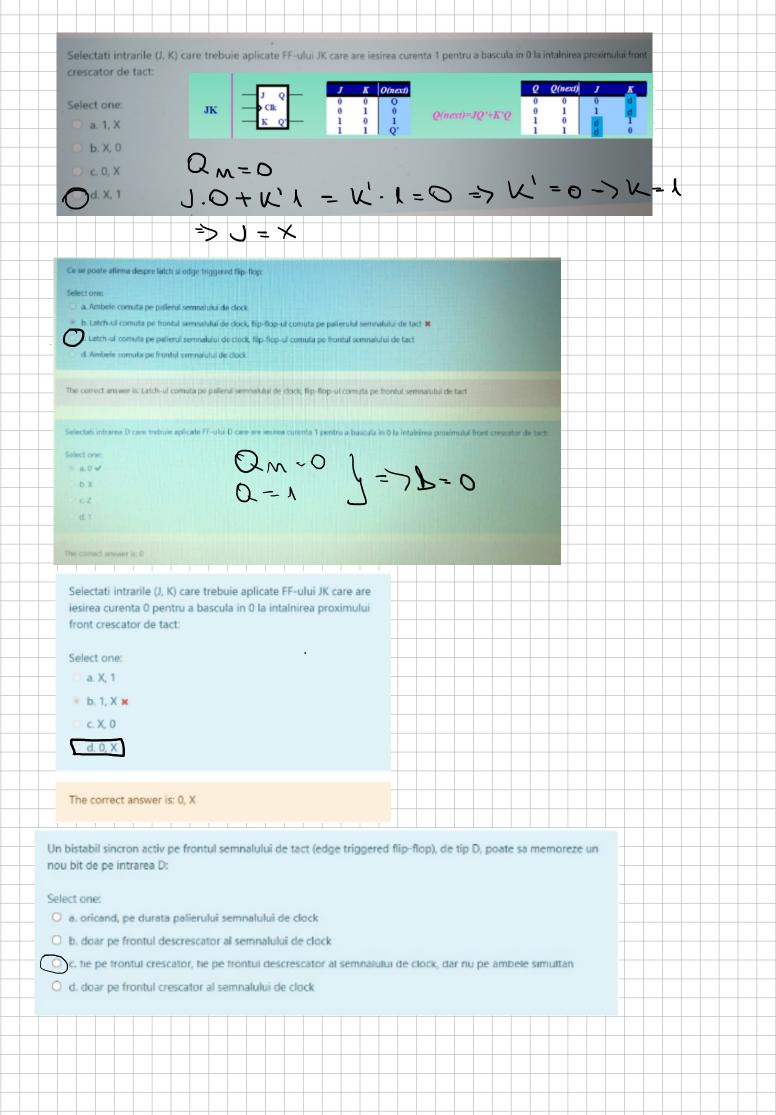
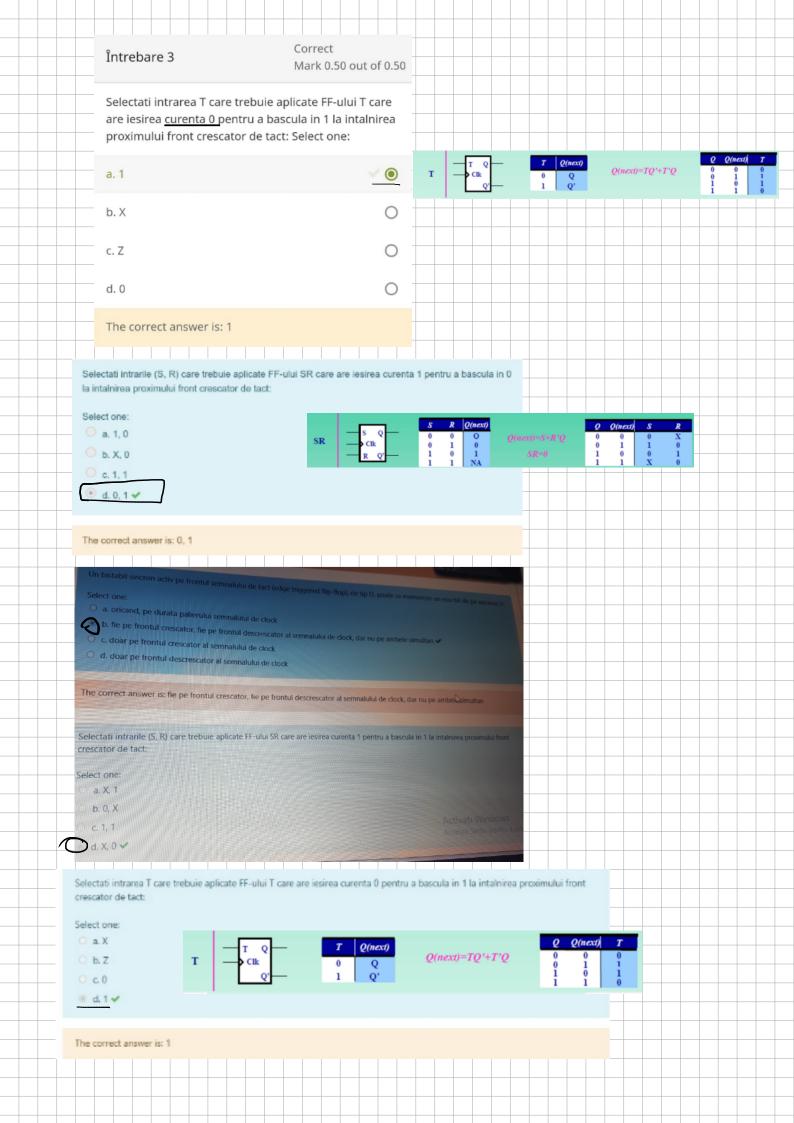
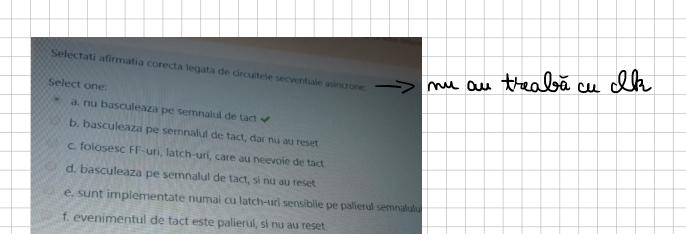


7-0

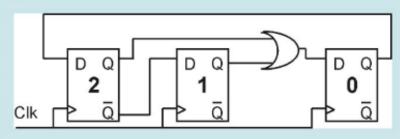






The correct answer is: nu basculeaza pe semnalul de tact

Fie circuitul din Figura . Tinand cont ca starea curenta este $Q_2Q_1Q_0=011$ care va fi starea sistemului dupa executia a 2 cicli de



Selectati răspunsul corect:

- a. 000
- O b. 100
- O c. 111
- @ d. 101
- O e. 110

- 7. QQQQ0=011 -> Q1=Q, -> Q+1

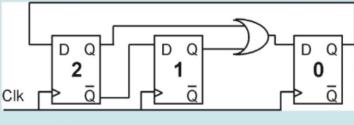
- In Q2=1 Q1=0 Q0-1

Alegeti care dintre urmatoarele categorii contine doar circuite combinationale:

Selectați răspunsul corect:

- a. codificator, decodificator, multiplexor, circuit basement bistabil
- O b. registru, numarator, automat cu stari finite, bistab B activ pe front
- c. barrel shifter, majority voter, decodificator, multiplexor
- d. bistabil T, bistabil RS, barrel shifter, registru

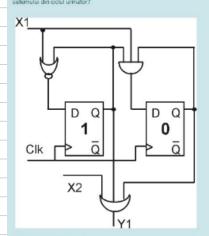
Fie circuitul din Figura . Tinand cont ca starea curenta este $Q_2Q_1Q_0=001$ care va fi starea sistemului dupa executia a 2 cicli de



Selectati räspunsul corect:

D. 101 O 0 001

d. 111

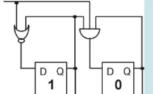


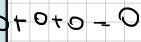
$$\begin{array}{l}
T \cdot \times_{2} = 0 \\
\times_{1} = 1 \\
Q_{1}Q_{0} = 11 \\
b_{1} = (1+1)^{1} = 0 \Rightarrow Q_{1} = 0 \\
b_{0} = (Q_{1} \cdot \times_{1} \cdot Q_{0}) = 1 \cdot 1 \cdot 1 = 1 \Rightarrow Q_{0} = 1 \\
Y_{1} = \times_{2} + Q_{1} + Q_{0} = 0 + 0 + 1 = 1
\end{array}$$

$$Q_{1} = 0 \qquad Q_{0} = 0$$

$$X_{1} = 1 \qquad X_{2} = 0$$

IN OI "





Ce afirmatie caracterizeaza un circuit secvential sincron:

Selectați răspunsul corect:

- a. Au ca intrare un semnal periodic, de tact, cu rol in reseturea circuitului secvential(punerea iesirii pe 0)
- b. Nu prezinta decat semnale de intrare de date
- c. Incarcarea/comutarea acestuia e dictata de semnalul de sincronizare denumit semnal de tact (clock).