② These 2x AND gates control the input a (and b)

Gating circuit

IF they are ON (b=1) then the output of first AND gate is OFF whatever a is.

$$\begin{pmatrix} b=1 & a=0 \\ b=1 & a=1 \end{pmatrix}$$

then the simplified circuit is
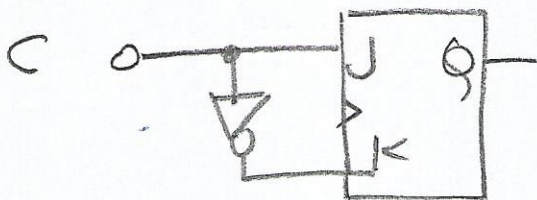
$Q^+ = JQ' + K'Q$

here $K = J'$ then

$$Q^+ = JQ' + JQ$$
$$= J(Q' + Q)$$
$$= J$$

This circuit behaves like a D-FF

$\equiv$
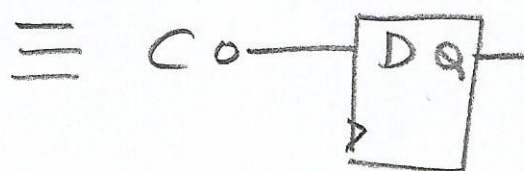
b=1 LOADS c and d into J-K FF's !