Initially
$$X = 0$$
, flag= 0
$$S1 \qquad S2$$

$$T_0 \qquad \text{Write}(X, 1)$$

$$T_1 \quad \text{Release}(\text{flag}, 1)$$

$$T_2 \qquad \qquad \text{Acquire}(\text{flag}, 1)$$

$$T_3 \qquad \qquad \text{Read}(X, 1)$$