	Repair $C_{-q}0 \stackrel{\text{def}}{=} ((bat1 = 0) \land (bat2 = 1) \land (bat3 = 1) \land (batInUse = 1) \land (h = 1))$ Tic $C_{-q}0 \stackrel{\text{def}}{=} ((bat1 = 0) \land (bat3 = 1) \land (batInUse = 1) \land (h = 0))$ Repair	Commute
Repair $ (c_q1 \stackrel{\text{def}}{=} ((bat1 = 0) \land (bat2 = 1) \land (bat3 = 0) \land (batInUse = 1) \land (h = 1))) $		
$\stackrel{\text{def}}{=} ((\text{bat1} = 0) \land (\text{bat2} = 0) \land (\text{bat3} = 0) \land (\text{batInUse} = 1) \land (\text{h} = 1)))$	Repair	

Fail
Repair $(c_q1 \stackrel{\text{def}}{=} ((bat1 = 0) \land (bat2 = 0) \land (bat3 = 0) \land (batInUse = 3) \land (h = 1)))$ Tic $(c_q3 \stackrel{\text{def}}{=} ((bat1 = 0) \land (bat2 = 0) \land (bat3 = 0) \land (batInUse = 3) \land (h = 1)))$

Fail

(a) Λ (batInUse = 3) Λ (h = 0)))

Commute