```
c25_q2 \stackrel{\text{def}}{=} bat(1) = ko, bat(2) = ko, bat(3) = ko, bat(4) = ok, bat(5) = ko, bat(6) = ko, h = tic, sw = 4
c23_q3 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ko, bat(4) = ko, bat(5) = ok, bat(6) = ko, h = tic, sw = 5
c21_q3 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ok, bat(4) = ko, bat(5) = ko, bat(6) = ok, h = tic, sw = 1 -\frac{Commute}{c22_q1 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ok, bat(4) = ko, bat(5) = ko, bat(6) = ok, h = tac, sw = 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -\frac{\text{Repair}}{\text{Repair}} - - \left( \text{c19\_q3} \stackrel{\text{def}}{=} \text{bat}(1) = \text{ok, bat}(2) = \text{ok, bat}(3) = \text{ko, bat}(4) = \text{ok, bat}(5) = \text{ko, bat}(6) = \text{ko, h} = \text{tic, sw} = 1 \right)
    c18_q3 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ko, bat(4) = ok, bat(5) = ko, bat(6) = ko, h = tic, sw = 1
  c16_q3 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ok, bat(3) = ok, bat(4) = ko, bat(5) = ok, bat(6) = 
  c13_q0 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ko, bat(4) = ko, bat(5) = ko, bat(6) = 
  c11_{q0} \stackrel{\text{def}}{=} bat(1) = ko, bat(2) = ok, bat(3) = ko, bat(4) = ko, bat(5) = ko, bat(6) 
  c9_{q1} \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ok, bat(3) = ko, bat(4) = ok, bat(5) = ok, bat(6) = ok, bat(6) = ok, bat(6) = ok, bat(6) = ok, bat(7) = ok, bat(8) = ok, bat(9) =
    c6_{q1} \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ko, bat(3) = ko, bat(4) = ko, bat(5) = ok, bat(6) = ko, h = tac, sw = 5
  c2_{q1} \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ok, bat(3) = ok, bat(4) = ok, bat(5) = ko, bat(6) = ok, h = tac, sw = 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - c3_q1 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ok, bat(3) = ko, bat(4) = ok, bat(5) = ko, bat(6) = ok, h = tac, sw = 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                c0_q1 \stackrel{\text{def}}{=} bat(1) = ok, bat(2) = ok, bat(3) = ok, bat(4) = ok, bat(5) = ok, bat(6) = ok,
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Fail Repair Commute c_{2} = c_{3} = bat(1) = c_{3} = bat(2) = c_{4} = bat(3) = c_{5} = c_{5}
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