PHI:

PHI1:

PHI2:

State: 1 2 3 4 5 6 1

There are 6 states.

PHI1 equals 1 when:

(PHI is 1 and PHI1 is 0 and PHI2 is 0) OR (state 3 to 4)

(PHI is 1 and PHI1 is 1 and PHI2 is 0) (state 4)

PHI2 equals 1 when:

(PHI is 0 and PHI1 is 0 and PHI2 is 0) (state 6 to 1)

(PHI is 0 and PHI1 is 0 and PHI2 is 1) (state 1)

SIMPLIFIED:

PHI1 = (PHI is 1 and PHI2 is 0)

PHI2 = (PHI is 0 and PHI1 is 0)

