

$$X_1 = X_2$$

state after round 1
state after round 2
state after round 3
state after round 4
state after round 5
...
state after round n-1
state after round n

state after round 1
state after round 2
state after round 3
state after round 4
state after round 5
...
state after round n-1
state after round n

$$f(X_1) = f(X_2)$$