State 1

State2

Transition 1 -> 2

Transition 2 -> 1

Transition 1 -> 3

Transition 3 -> 1

Transition 2 -> 4

Transition 4 -> 2

State3

State 4

Transition 3 -> 4

Transition 4 -> 3

Transition 4 -> 1

Transition 3 -> 2

Transition 1 -> 4

Transition 2 -> 3