A = ({#, a, b}, {q, v}, {a, b, ε}, δ, #, q, {v})

1. #qa ⭢ #aq

2. #qb ⭢ #bq

3. aqa ⭢ aaq

4. bqb ⭢ bbq

5. aqb ⭢ q

6. bqa ⭢ q

7. #qε ⭢ #v