2 Examples

2.1 Example: From GNFA to regex in 8 easy figures

1: The original NFA.

2: Normalizing it.

3: Remove state A.

4: Redrawn without old edges.

5: Removing B.

6: Redrawn.

7: Removing C.

8: Redrawn.
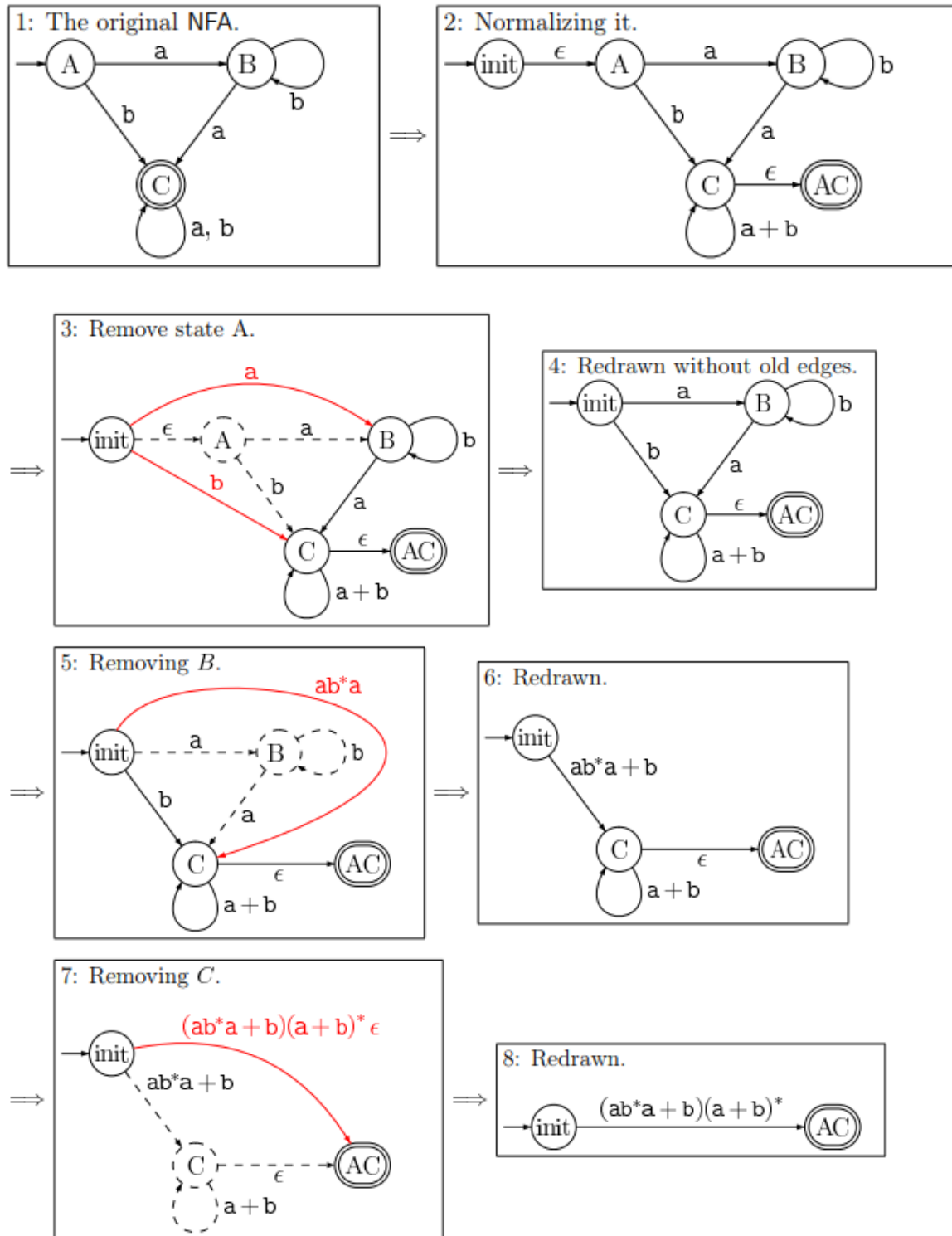
Thus, this automata is equivalent to the regular expression $(ab^*a + b)(a + b)^*$.