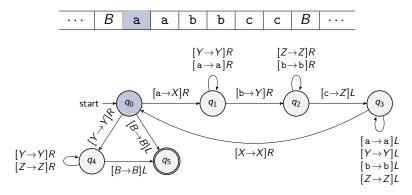
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

• • •	В	a	a	b	b	С	С	В	

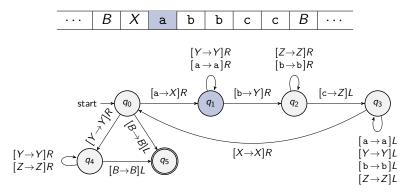
- 1: while there are a's do
- 2: Find and Replace a with X
- 3: Find and Replace b with Y
- 4: Find and Replace c with Z
- 5: Check if only Y's and Z's are left

$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



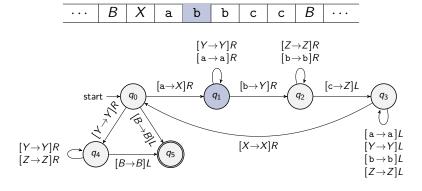
Find and Replace a with X.

$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

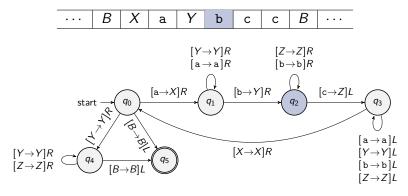


Find and Replace b with Y.

$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

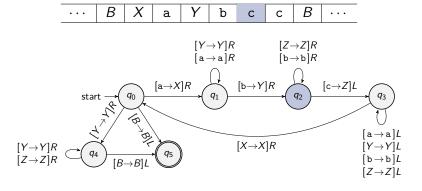


$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

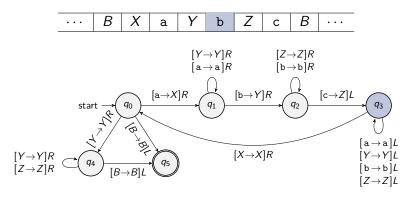


Find and Replace c with Z.

$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

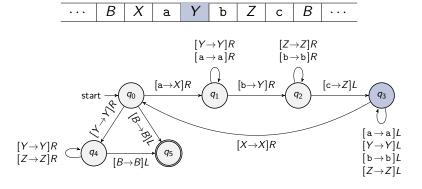


$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

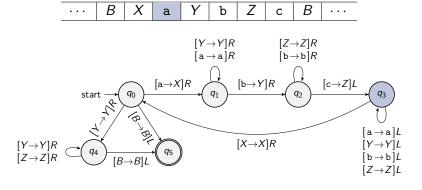


Repeat until no a's left.

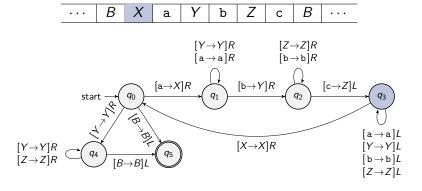
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



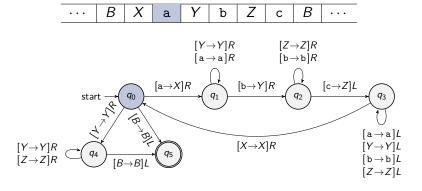
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



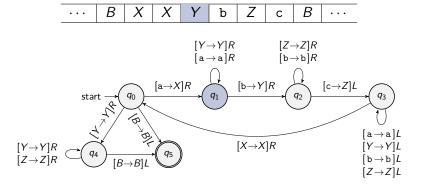
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



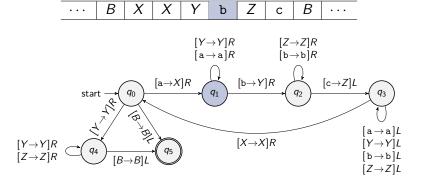
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



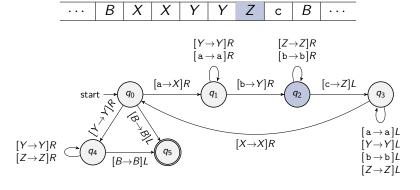
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



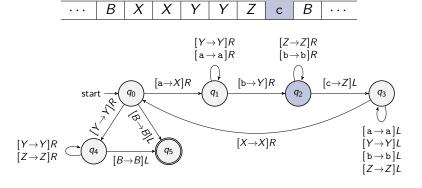
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



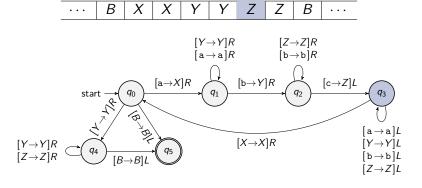
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



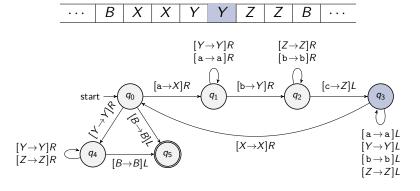
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



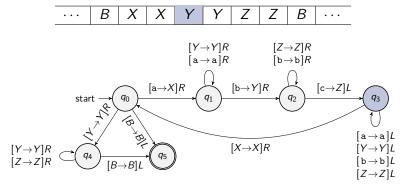
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



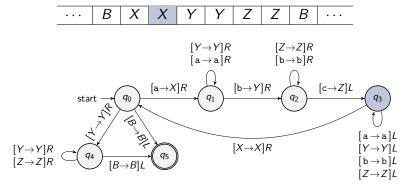
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



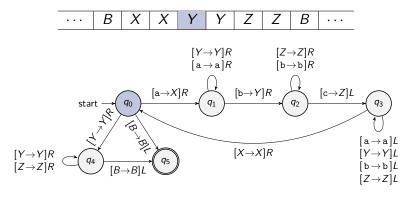
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

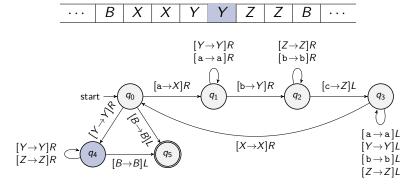


$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$

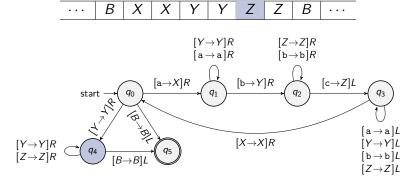


Now, no more a's. Check if only Y's and Z's are left.

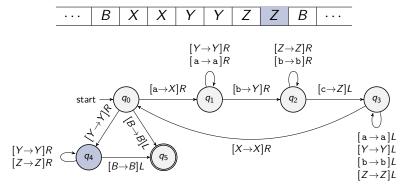
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



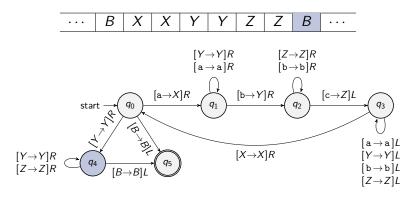
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



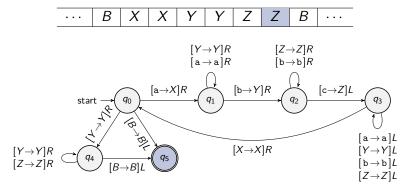
$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



$$L(M) = \{a^n b^n c^n \mid n \ge 0\}$$



Accept!