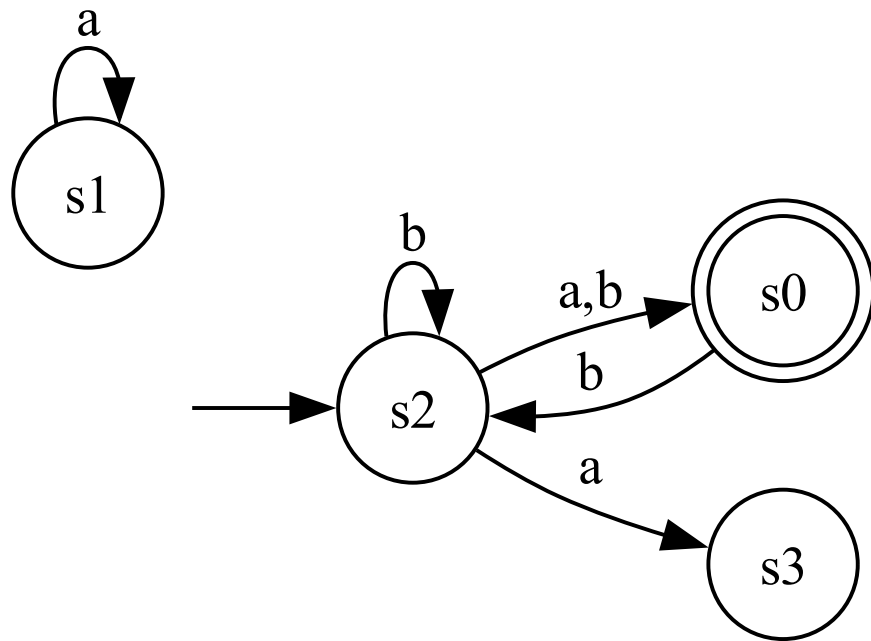
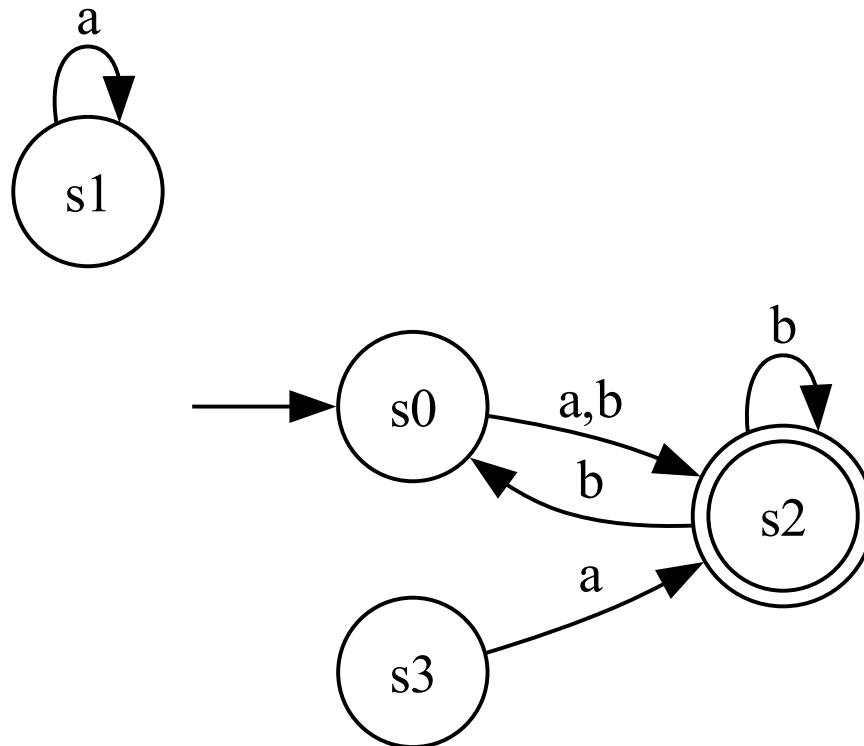


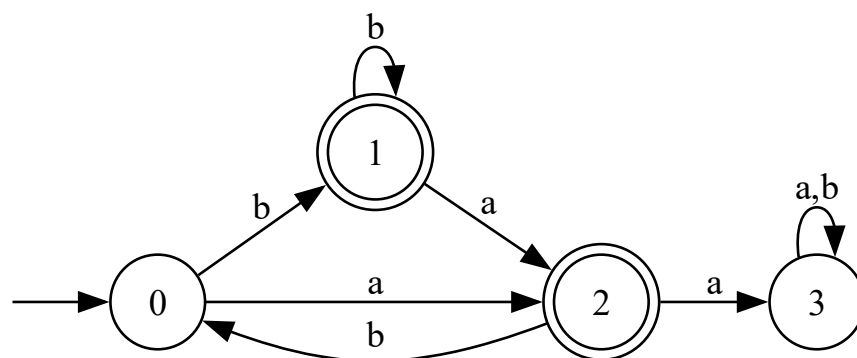
1 Original NFA



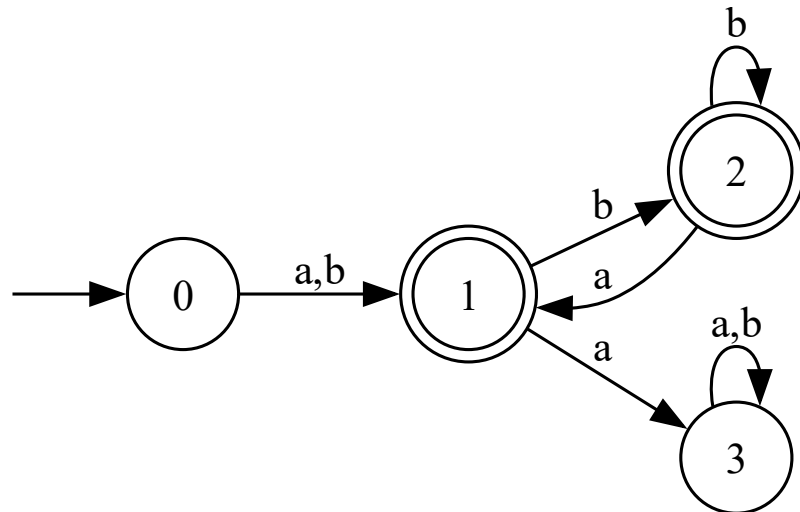
2 Reverse NFA



3 DFA



4 Dual of DFA



5 States Map Reduction

5.1 States Map 1

	$\{0\}$	$\{1\}$	$\{2\}$	$\{3\}$
$\{0\}$	\emptyset	$\{s2\}$	$\{s2\}$	\emptyset
$\{1\}$	$\{s0\}$	$\{s2\}$	$\{s0, s2\}$	\emptyset
$\{2\}$	$\{s0\}$	\emptyset	$\{s0\}$	\emptyset
$\{3\}$	\emptyset	\emptyset	\emptyset	\emptyset

5.2 States Map 2

	$\{0\}$	$\{1\}$	$\{2\}$	$\{3\}$
$\{0\}$	\emptyset	$\{s2\}$	$\{s2\}$	\emptyset
$\{1\}$	$\{s0\}$	$\{s2\}$	$\{s0, s2\}$	\emptyset
$\{2\}$	$\{s0\}$	\emptyset	$\{s0\}$	\emptyset
$\{3\}$	\emptyset	\emptyset	\emptyset	\emptyset

5.3 States Map 3

	$\{0\}$	$\{1\}$	$\{2\}$	$\{3\}$
$\{0\}$	\emptyset	$\{s2\}$	$\{s2\}$	\emptyset
$\{1\}$	$\{s0\}$	$\{s2\}$	$\{s0, s2\}$	\emptyset
$\{2\}$	$\{s0\}$	\emptyset	$\{s0\}$	\emptyset
$\{3\}$	\emptyset	\emptyset	\emptyset	\emptyset

6 Maximal Prime Grids

- Rows: $\{0, 1, 2\}$, Cols: $\{2\}$
- Rows: $\{1\}$, Cols: $\{0, 1, 2\}$
- Rows: $\{1, 2\}$, Cols: $\{0, 2\}$
- Rows: $\{0, 1\}$, Cols: $\{1, 2\}$

7 Cover Enumeration

7.1 Cover 1

- Rows: $\{1, 2\}$, Cols: $\{0, 2\}$
- Rows: $\{0, 1\}$, Cols: $\{1, 2\}$

7.2 Cover 2

- Rows: $\{0, 1, 2\}$, Cols: $\{2\}$
- Rows: $\{1, 2\}$, Cols: $\{0, 2\}$
- Rows: $\{0, 1\}$, Cols: $\{1, 2\}$

7.3 Cover 3

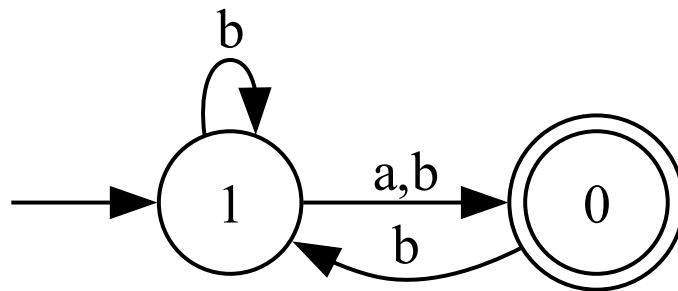
- Rows: $\{1\}$, Cols: $\{0, 1, 2\}$
- Rows: $\{1, 2\}$, Cols: $\{0, 2\}$
- Rows: $\{0, 1\}$, Cols: $\{1, 2\}$

7.4 Cover 4

- Rows: $\{0, 1, 2\}$, Cols: $\{2\}$
- Rows: $\{1\}$, Cols: $\{0, 1, 2\}$
- Rows: $\{1, 2\}$, Cols: $\{0, 2\}$
- Rows: $\{0, 1\}$, Cols: $\{1, 2\}$

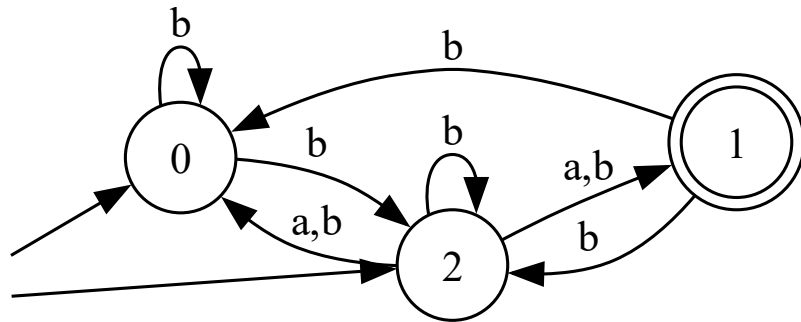
8 Intersection Rule Result

8.1 NFA 1



This NFA is legitimate.

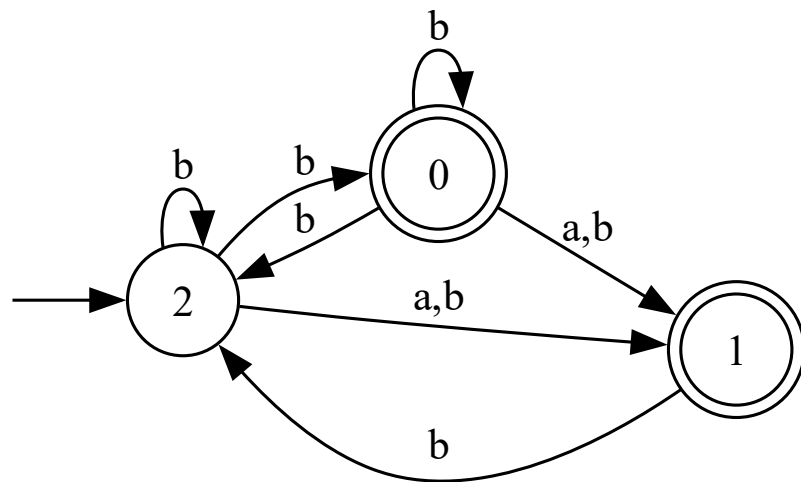
8.2 NFA 2



NFA is legitimate.

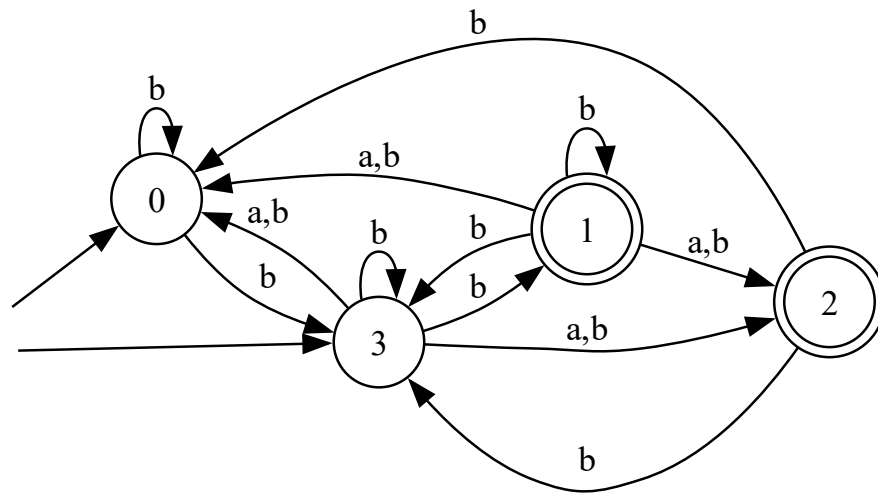
This

8.3 NFA 3



This NFA is legitimate.

8.4 NFA 4



This NFA is legitimate.