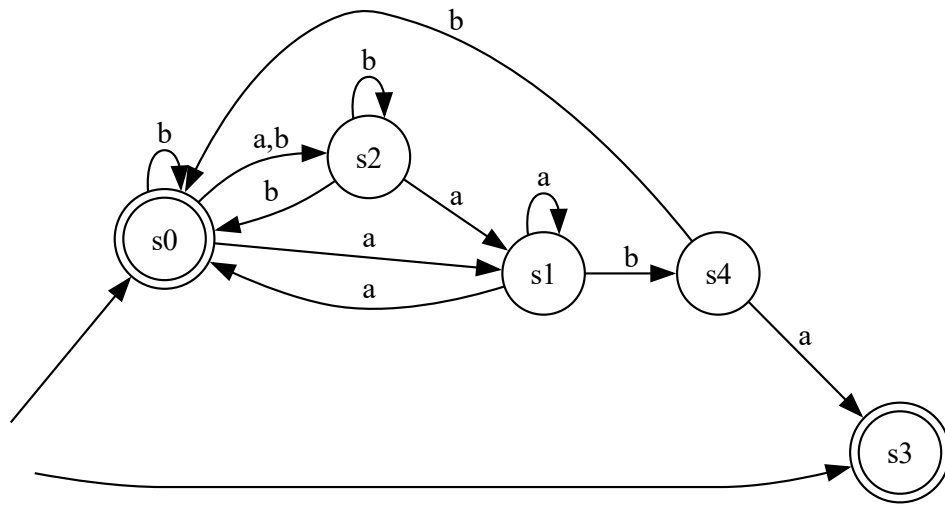
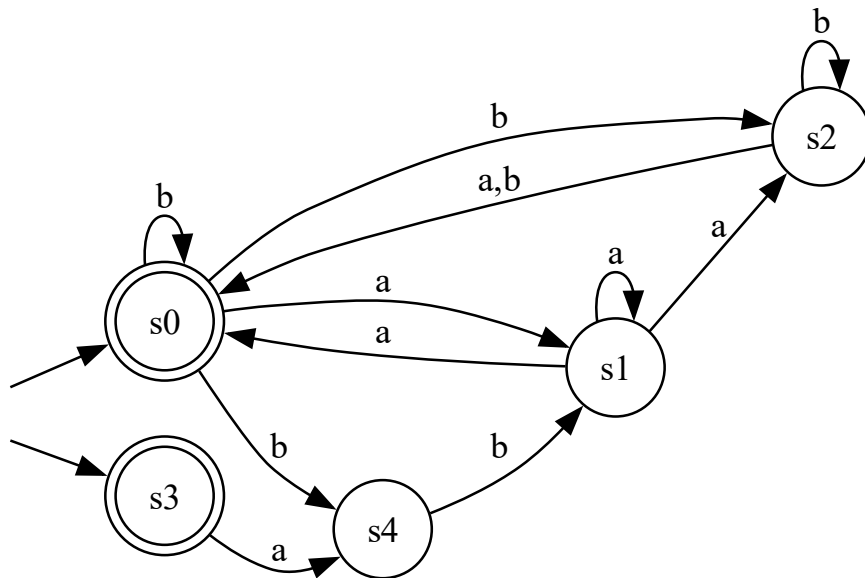


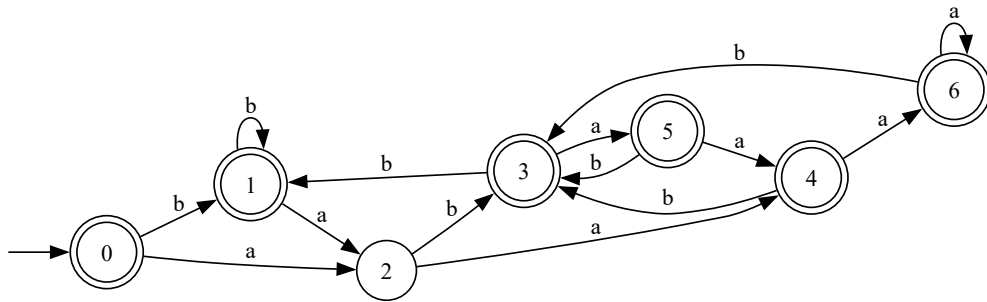
1 Original NFA



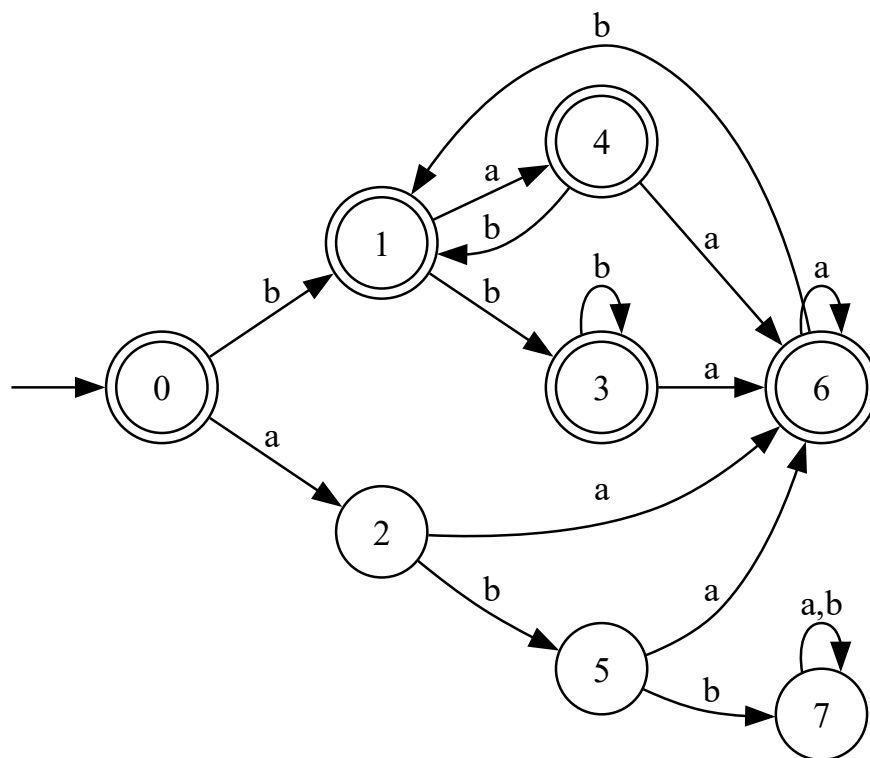
2 Reverse NFA



3 DFA



4 Dual of DFA



5 States Map Reduction

5.1 States Map 1

	{0}	{1}	{2}	{3}	{4}	{5}	{6}	{7}
{0}	{s0, s3}	{s0}	\emptyset	{s0}	{s0}	\emptyset	{s0}	\emptyset
{1}	{s0}	{s0, s2}	\emptyset	{s0, s2}	{s0}	\emptyset	{s0, s2}	\emptyset
{2}	\emptyset	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{3}	{s0}	{s0, s2, s4}	{s4}	{s0, s2, s4}	{s0}	\emptyset	{s0, s2}	\emptyset
{4}	{s0}	{s0}	{s1}	{s0, s1}	{s0, s1}	{s1}	{s0, s1}	\emptyset
{5}	{s3}	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{6}	{s0}	{s0, s2}	{s1}	{s0, s1, s2}	{s0, s1}	{s1}	{s0, s1, s2}	\emptyset

5.2 States Map 2

	{0}	{1}	{2}	{3}	{4}	{5}	{6}	{7}
{0}	{s0, s3}	{s0}	\emptyset	{s0}	{s0}	\emptyset	{s0}	\emptyset
{1}	{s0}	{s0, s2}	\emptyset	{s0, s2}	{s0}	\emptyset	{s0, s2}	\emptyset
{2}	\emptyset	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{3}	{s0}	{s0, s2, s4}	{s4}	{s0, s2, s4}	{s0}	\emptyset	{s0, s2}	\emptyset
{4}	{s0}	{s0}	{s1}	{s0, s1}	{s0, s1}	{s1}	{s0, s1}	\emptyset
{5}	{s3}	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{6}	{s0}	{s0, s2}	{s1}	{s0, s1, s2}	{s0, s1}	{s1}	{s0, s1, s2}	\emptyset

5.3 States Map 3

	{0}	{1}	{2}	{3}	{4}	{5}	{6}	{7}
{0, 1}	{s0, s3}	{s0, s2}	\emptyset	{s0, s2}	{s0}	\emptyset	{s0, s2}	\emptyset
{2}	\emptyset	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{3}	{s0}	{s0, s2, s4}	{s4}	{s0, s2, s4}	{s0}	\emptyset	{s0, s2}	\emptyset
{4}	{s0}	{s0}	{s1}	{s0, s1}	{s0, s1}	{s1}	{s0, s1}	\emptyset
{5}	{s3}	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{6}	{s0}	{s0, s2}	{s1}	{s0, s1, s2}	{s0, s1}	{s1}	{s0, s1, s2}	\emptyset

5.4 States Map 4

	{0}	{1}	{2}	{3}	{4}	{5}	{6}	{7}
{0, 1}	{s0, s3}	{s0, s2}	\emptyset	{s0, s2}	{s0}	\emptyset	{s0, s2}	\emptyset
{2}	\emptyset	{s2}	{s1}	{s1, s2}	{s1}	{s1}	{s1, s2}	\emptyset
{3}	{s0}	{s0, s2, s4}	{s4}	{s0, s2, s4}	{s0}	\emptyset	{s0, s2}	\emptyset
{4, 5, 6}	{s0, s3}	{s0, s2}	{s1}	{s0, s1, s2}	{s0, s1}	{s1}	{s0, s1, s2}	\emptyset

5.5 States Map 5

	{0}	{1, 3, 4, 6}	{2}	{5}	{7}
{0, 1}	{s0, s3}	{s0, s2}	\emptyset	\emptyset	\emptyset
{2}	\emptyset	{s1, s2}	{s1}	{s1}	\emptyset
{3}	{s0}	{s0, s2, s4}	{s4}	\emptyset	\emptyset
{4, 5, 6}	{s0, s3}	{s0, s1, s2}	{s1}	{s1}	\emptyset

5.6 States Map 6

	$\{0\}$	$\{1, 3, 4, 6\}$	$\{2\}$	$\{5\}$	$\{7\}$
$\{0, 1\}$	$\{s0, s3\}$	$\{s0, s2\}$	\emptyset	\emptyset	\emptyset
$\{2\}$	\emptyset	$\{s1, s2\}$	$\{s1\}$	$\{s1\}$	\emptyset
$\{3\}$	$\{s0\}$	$\{s0, s2, s4\}$	$\{s4\}$	\emptyset	\emptyset
$\{4, 5, 6\}$	$\{s0, s3\}$	$\{s0, s1, s2\}$	$\{s1\}$	$\{s1\}$	\emptyset

6 Maximal Prime Grids

- Rows: $\{1, 3\}$, Cols: $\{1, 2, 3\}$
- Rows: $\{2, 3\}$, Cols: $\{0, 1, 2\}$
- Rows: $\{0, 1, 2, 3\}$, Cols: $\{1\}$
- Rows: $\{0, 2, 3\}$, Cols: $\{0, 1\}$
- Rows: $\{1, 2, 3\}$, Cols: $\{1, 2\}$
- Rows: $\{3\}$, Cols: $\{0, 1, 2, 3\}$

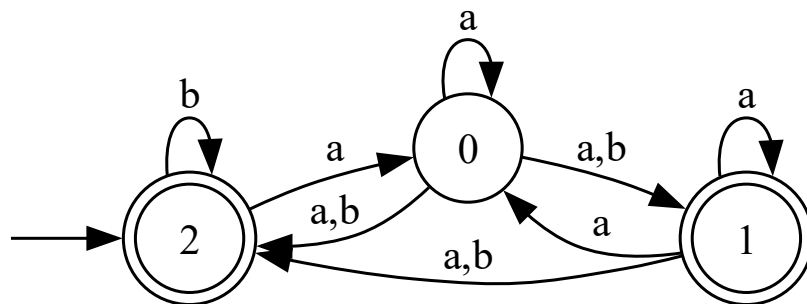
7 Cover Enumeration

7.1 Cover 1

- Rows: $\{1, 3\}$, Cols: $\{1, 2, 3\}$
- Rows: $\{2, 3\}$, Cols: $\{0, 1, 2\}$
- Rows: $\{0, 2, 3\}$, Cols: $\{0, 1\}$

8 Intersection Rule Result

8.1 NFA 1



This NFA is legitimate.