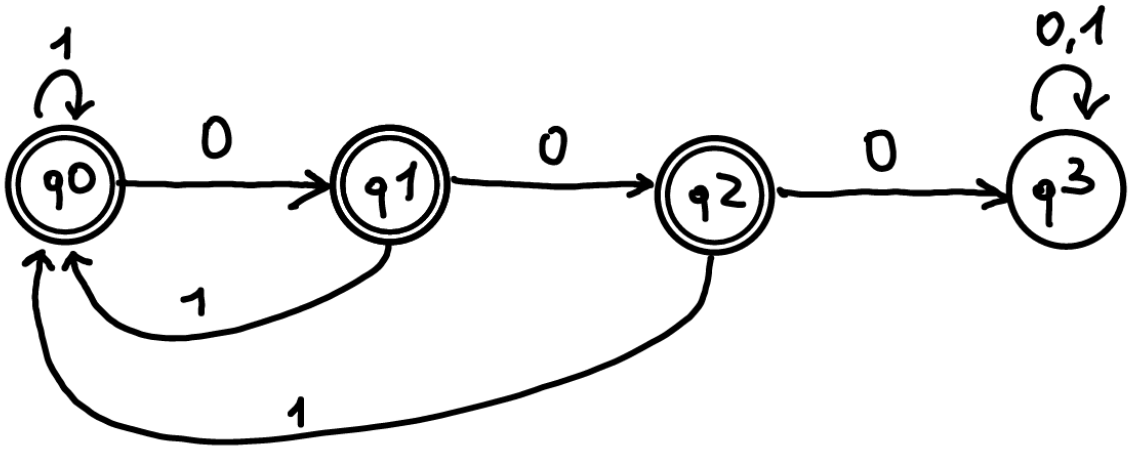
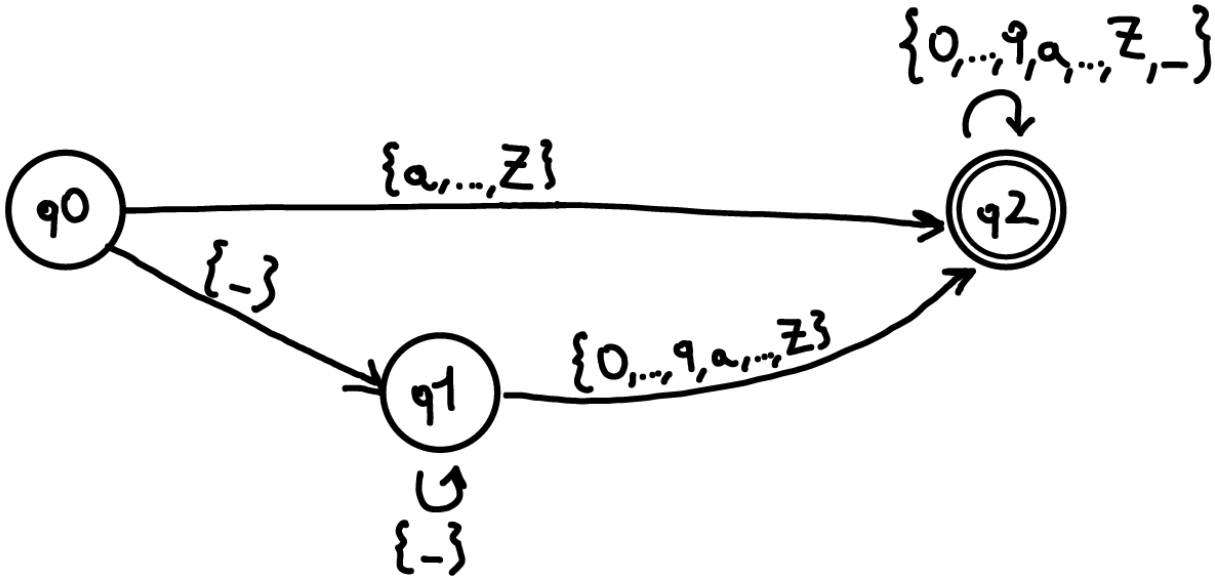
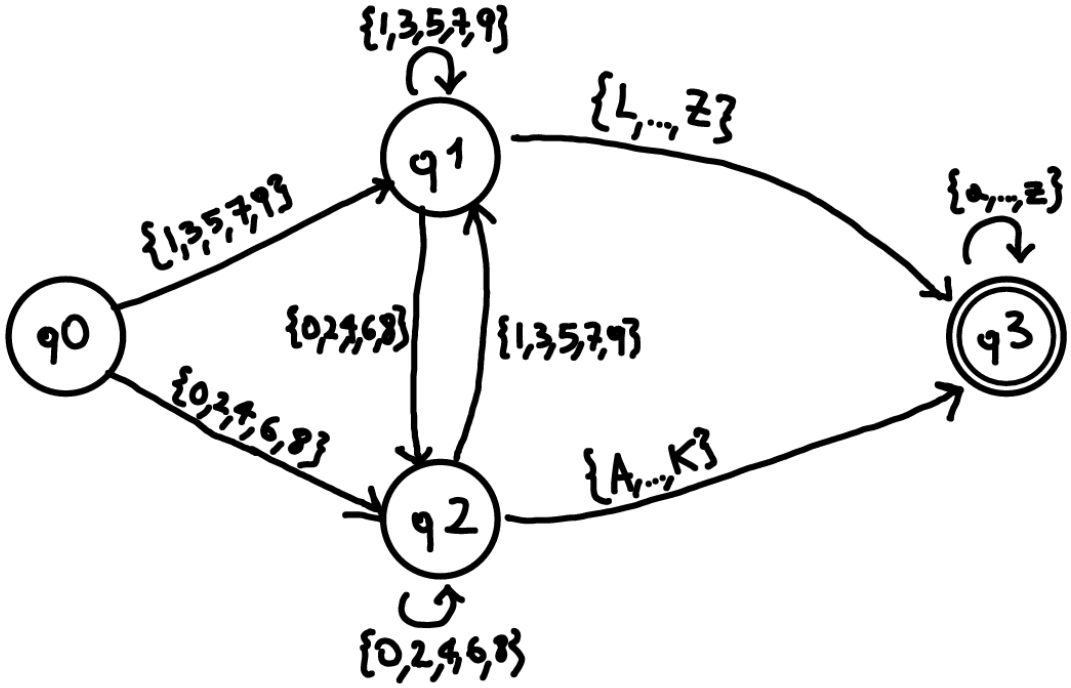
1.1


1
0
0
0
0,1
q0
q1
q2
q3
1
1

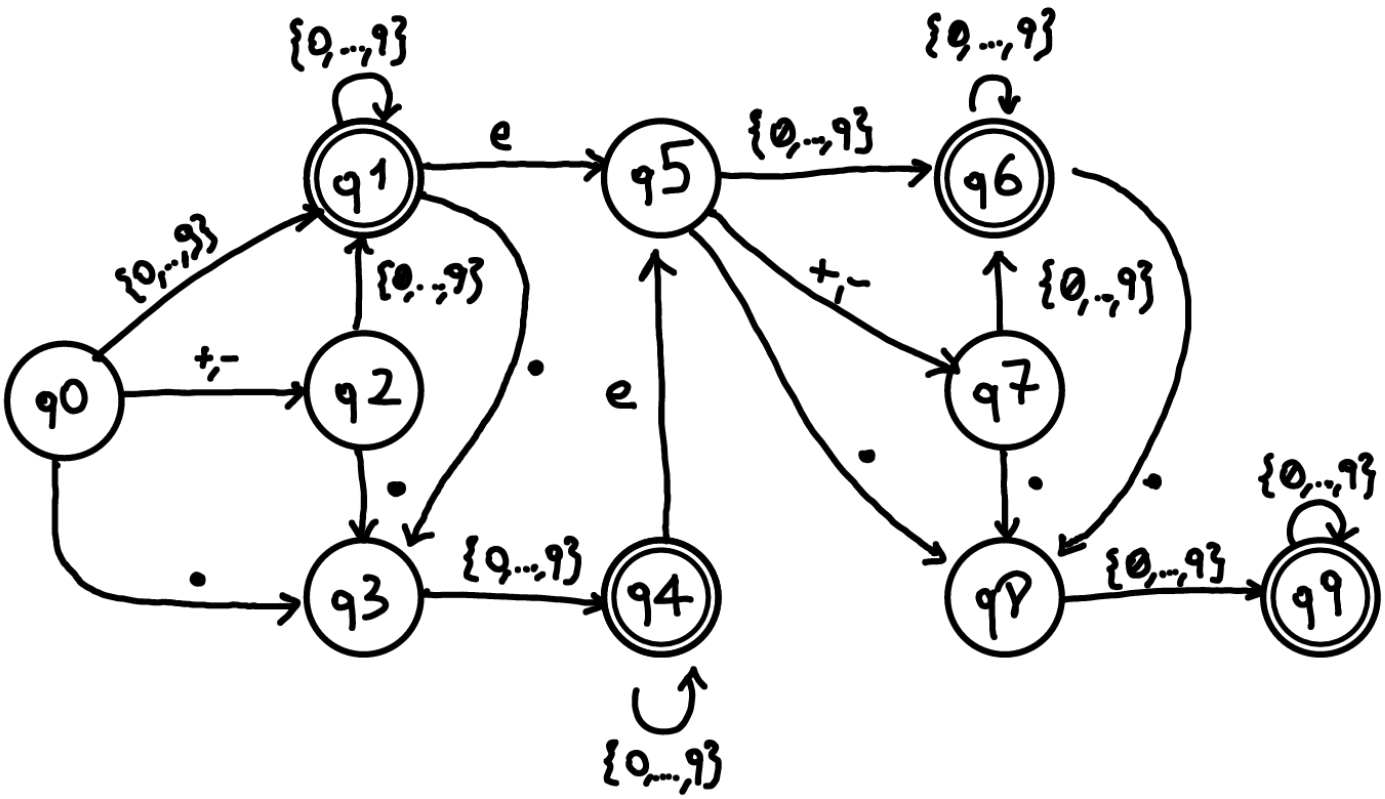
1.2


{0,...,9,a,...,Z,_}
{a,...,Z}
{_}
{0,...,9,a,...,Z}
q0
q1
q2
{_}

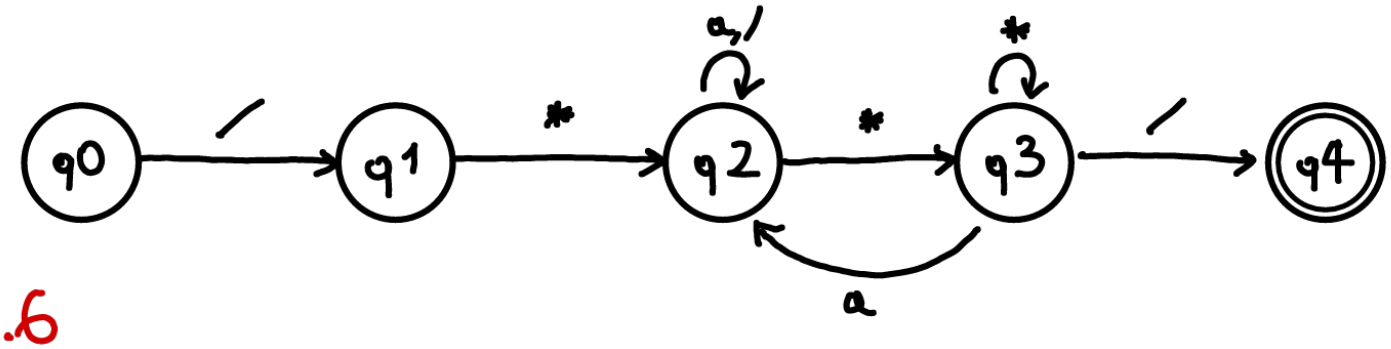
1.3


{1,3,5,7,9}
{L,...,Z}
{a,...,z}
{1,3,5,7,9}
{0,2,4,6,8}
{1,3,5,7,9}
{0,2,4,6,8}
{A,...,K}
q0
q1
q2
q3
{0,2,4,6,8}

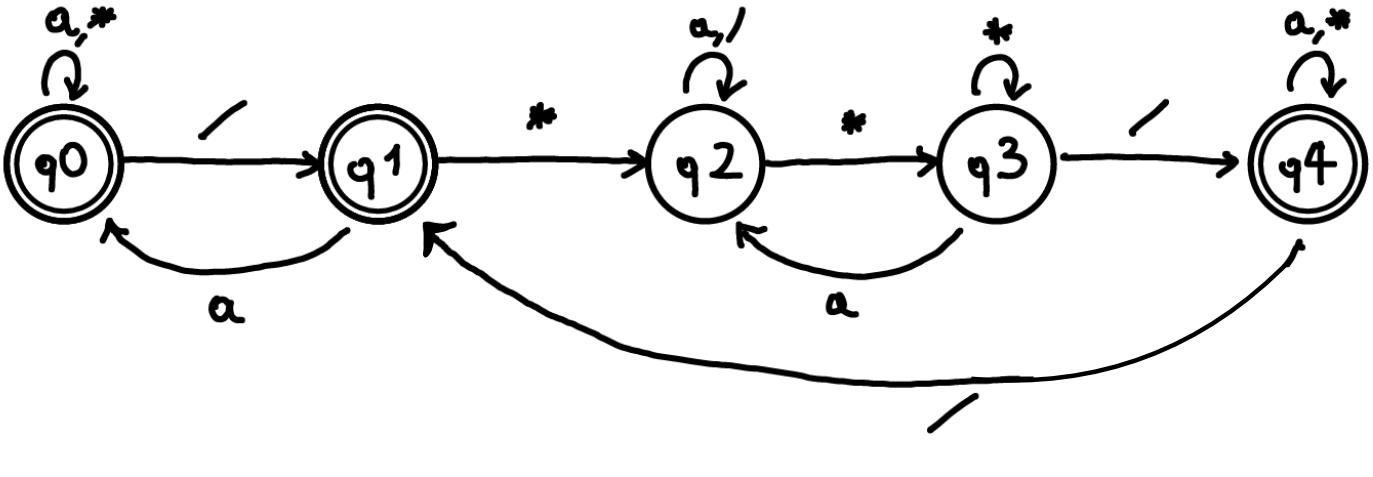
1.4


{0,..,9}
e
{0,..,9}
{0,..,9}
{0,..,9}
+,-
{0,..,9}
+,-
{0,..,9}
e
{0,..,9}
{0,..,9}
{0,..,9}
q0
q1
q2
q3
q4
q5
q6
q7
q8
q9

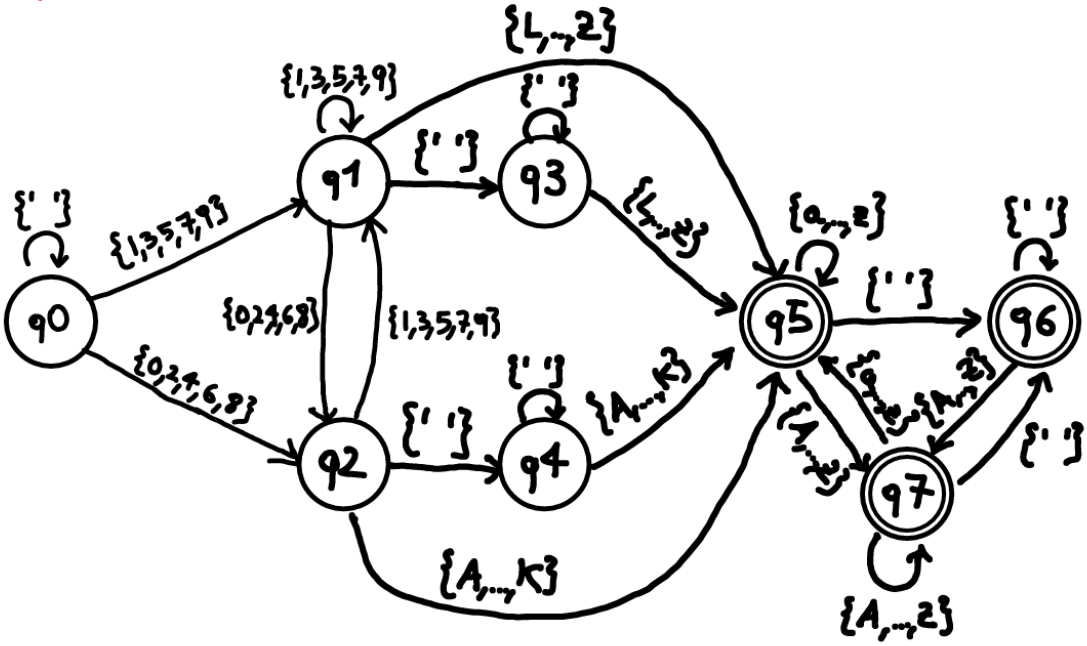
1.5


a,/
*
*
/
/
*
*
a
q0
q1
q2
q3
q4

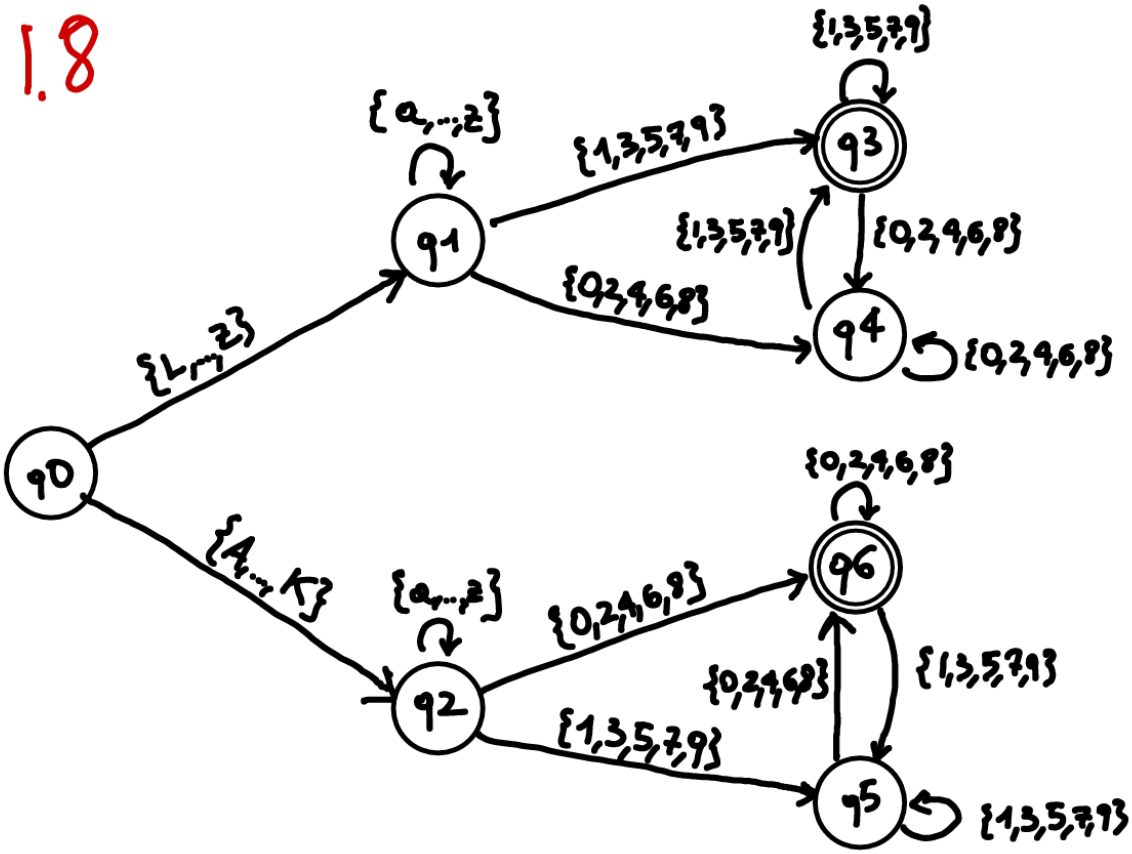
1.6


a,*
a,/
*
a,*
/
*
*
/
a
a
/
q0
q1
q2
q3
q4

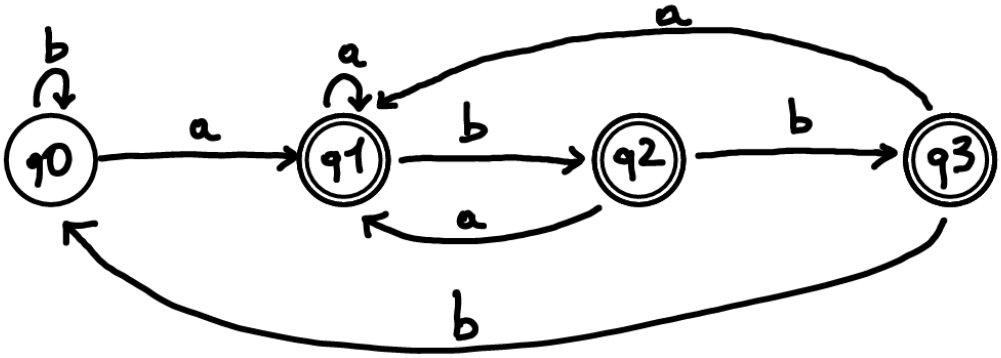
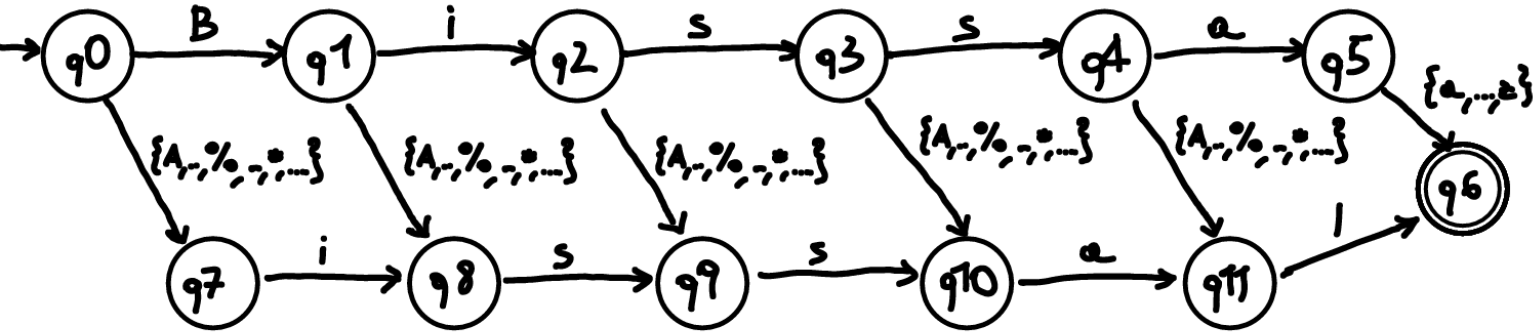
1.7


q0
q1
q2
q3
q4
q5
q6
q7
{' '}
{1,3,5,7,9}
{0,2,4,6,8}
{L,...,Z}
{A,...,K}
{a,...,z}

1.8


q0
q1
q2
q3
q4
q5
q6
{a,...,z}
{L,...,Z}
{A,...,K}
{1,3,5,7,9}
{0,2,4,6,8}

1.9


q0
q1
q2
q3
a
b

1.10