abcba
aABBa
abc

Small Big

1,1,L

q_b

0,1,L

0,1,L

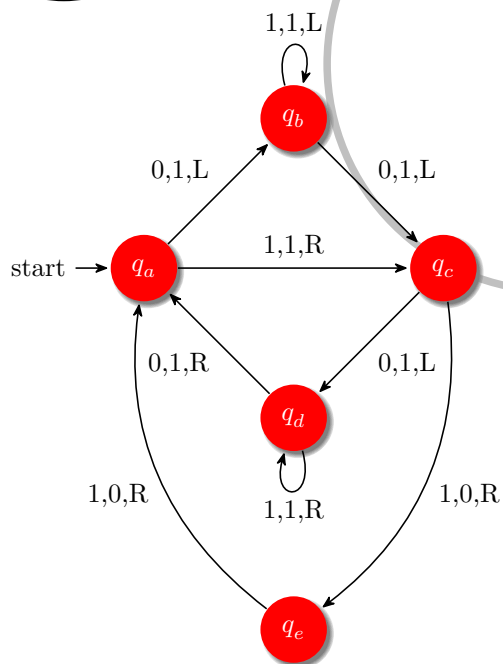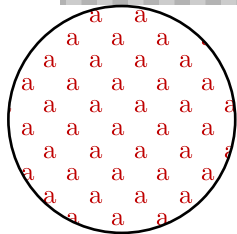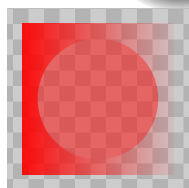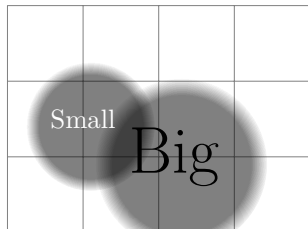start q_a — 1,1,R → q_c

0,1,R 0,1,L

q_d

1,0,R 1,1,R 1,0,R

q_e

The current candidate for the busy beaver for five states. It is presumed that this Turing machine writes a maximum number of 1's before halting among all Turing machines with five states and the tape alphabet $\{0, 1\}$. Proving this conjecture is an open research problem.

A

First text.

- a

A

Second text.   First text.

- a

A

Second text. Third text. First text.

- a

A

Second text. Third text. First text.

- a
- b

A

Second text. Third text. First text.

- a
- b
- c

A

Second text. Third text. First text.

- a
- b
- c
- d