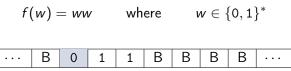
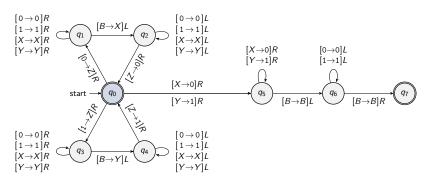
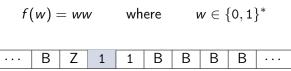
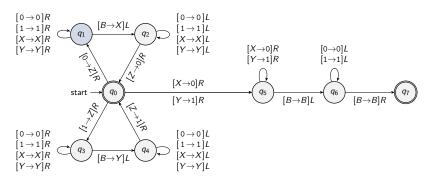
- 1: while there are input symbols do
- 2: Find and Replace 0 (or 1) with Z
- 3: Find and Fill the first blank with X (or Y) for 0 (or 1)
  - Roll back Z to the original 0 (or 1)
- 5: end while
- 6: Replace X's and Y's with 0's and 1's
- 7: Go to the first input symbol



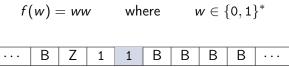


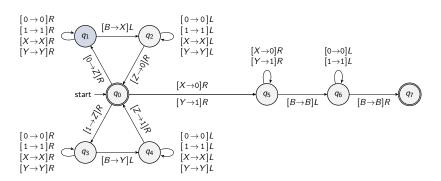
Find and Replace 0 (or 1) with Z.

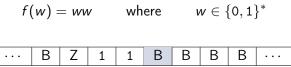


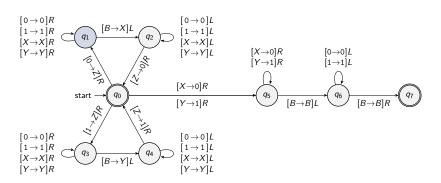


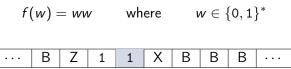
Find and Fill the first blank with X (or Y) for 0 (or 1).

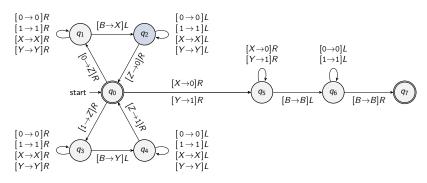




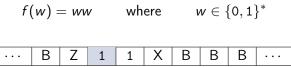


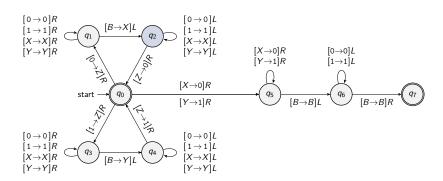


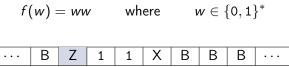


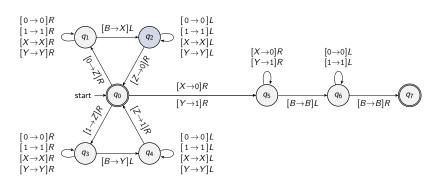


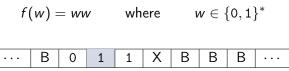
Roll back Z to the original 0 (or 1).

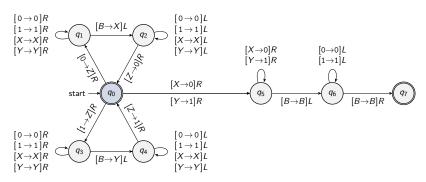




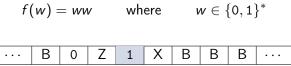


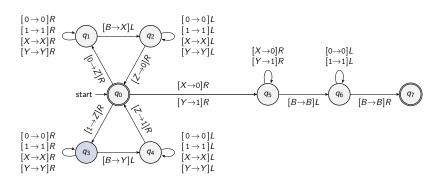


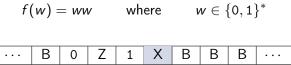


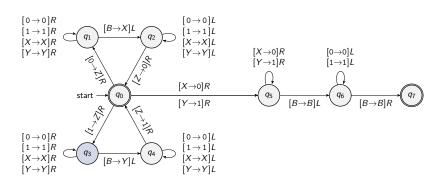


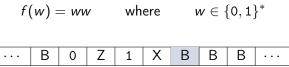
Repeat until no input symbols left.

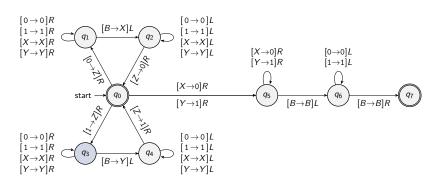


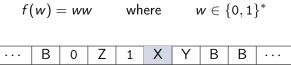


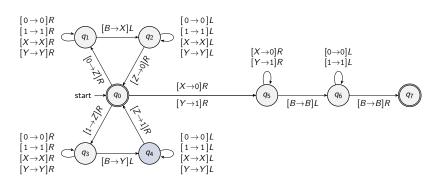


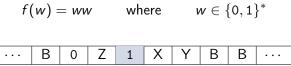


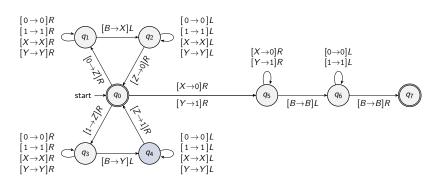


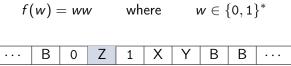


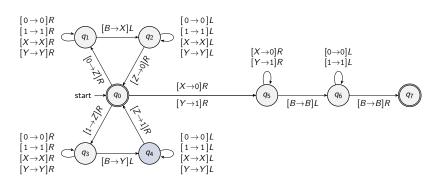




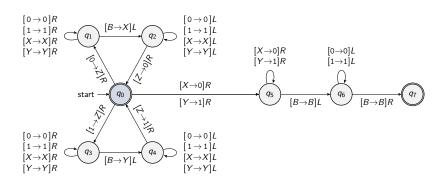


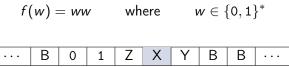


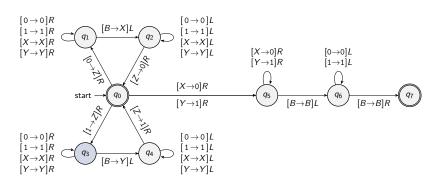


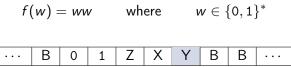


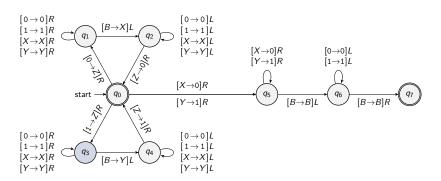




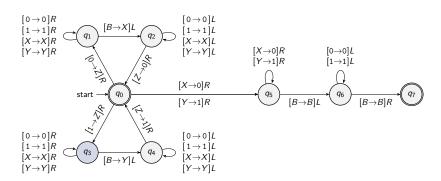


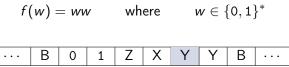


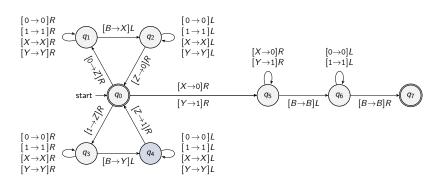


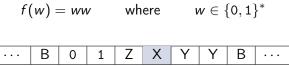


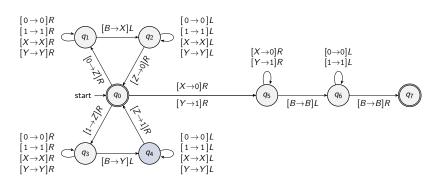
$$f(w) = ww$$
 where  $w \in \{0, 1\}^*$ 

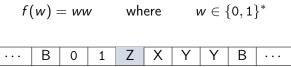


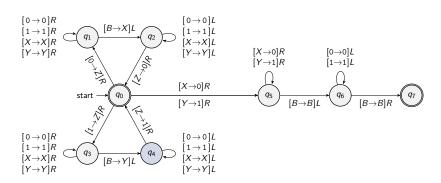


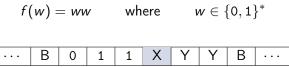


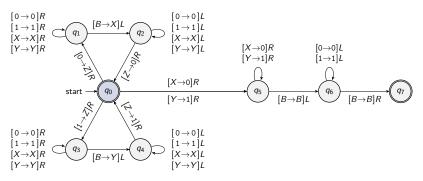




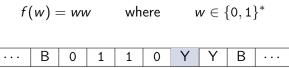


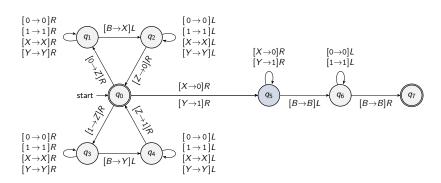


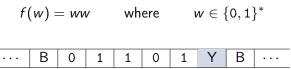


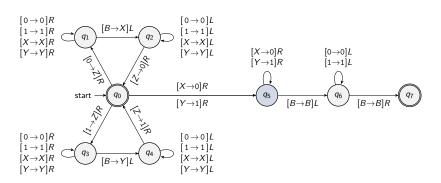


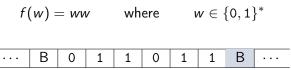
Replace X's and Y's with 0's and 1's.

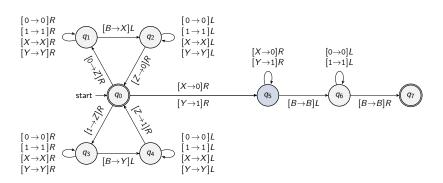




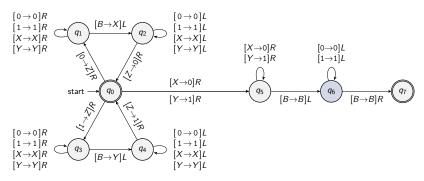






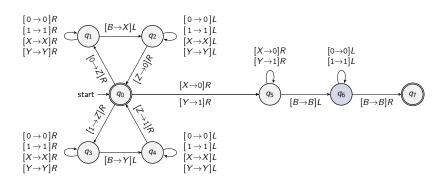


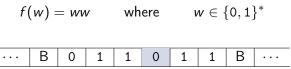
$$f(w) = ww$$
 where  $w \in \{0, 1\}^*$ 

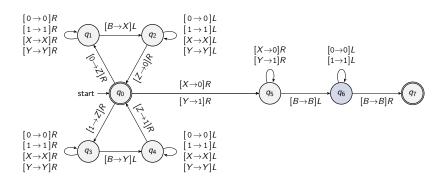


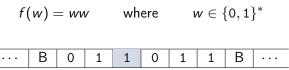
Go to the first input symbol.

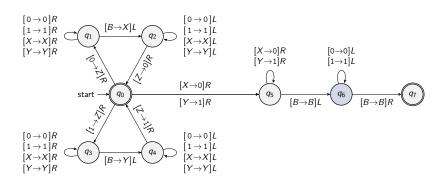


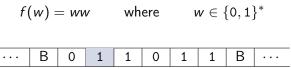


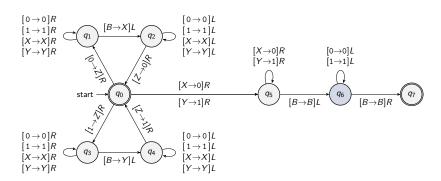


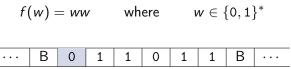


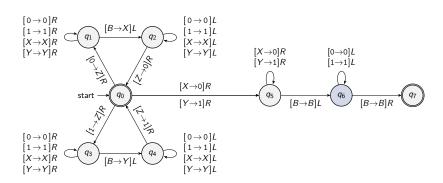


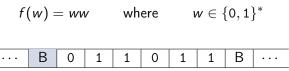


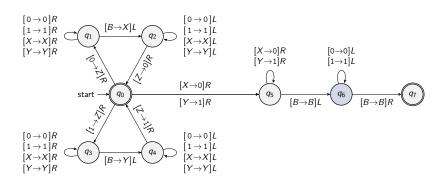




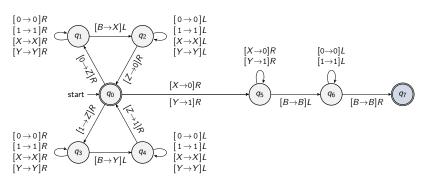








$$f(w) = ww$$
 where  $w \in \{0, 1\}^*$ 



Computed! f(011) = 011011