Midterm 1 Version 3 Solution

March 19, 2020

Question 1

a. Since $S_1 = \{ab, ba, aab, bba, baa, \dots\}$ and $S_2 = \{aaa, aab, aba, baa, abb, bab, bba\}$,

$S_2 \setminus S_1 = \{aaa, aab, aba, bab\}$

Question 2

Question 3

Question 4