**Exercise 5.2**

1. Variables (21): , , , , , , , , , , , , , , , , , , , ,

Equations (21):

1. ①

②

Both and are stationary variables. Because we define and , both and are stationary variables, plug into above equations, we obtain

1. Defined stationary variables as:

, , , , , , , , , , , , , ,

1. Steady state