1. B) where x1 = D1 and x2 = D2

A screenshot of a computer

Description automatically generated

To show that in long-time limit the system will settle into a steady state, in which one cell assumes primary fate while the other cell assumes the secondary fate, arbitrary initial concentrations for D1 and D2 were used (in this case, D1 = 0.8 and D2 = 0.7). The system was plotted onto phase portrait in the black line. The first plot below shows a shorter time limit of 5 seconds, and the second plot below shows a longer time limit of 50 seconds. Cell 2 has reached primary state and cell 1 reached the secondary state within the long-time limit plot but not within the short-time limit plot.

A screenshot of a computer screen

Description automatically generatedA screenshot of a computer

Description automatically generated

1. D)



1. B)



1. C)

