**Simbiology-I**

**Name:**

**TUID:**

**Sec:**

**Part A:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Case#*** | ***Kf*** | ***Kr*** | ***Kprod*** | ***Δt(s) to reach steady state*** |
| **1** | 0.02 | 0.01 | 0.05 |  |
| **2** | 0.01 | 0.02 | 0.05 |  |
| **3** | 0.02 | 0.01 | 0.5 |  |

**Part B:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Case#*** | ***K1*** | ***K-1*** | ***Kcat*** | ***Δt(s) to reach steady state*** |
| **1** | 1000 | 100 | 1 |  |
| **2** | 100 | 1000 | 1 |  |
| **3** | 100 | 1 | 1000 |  |