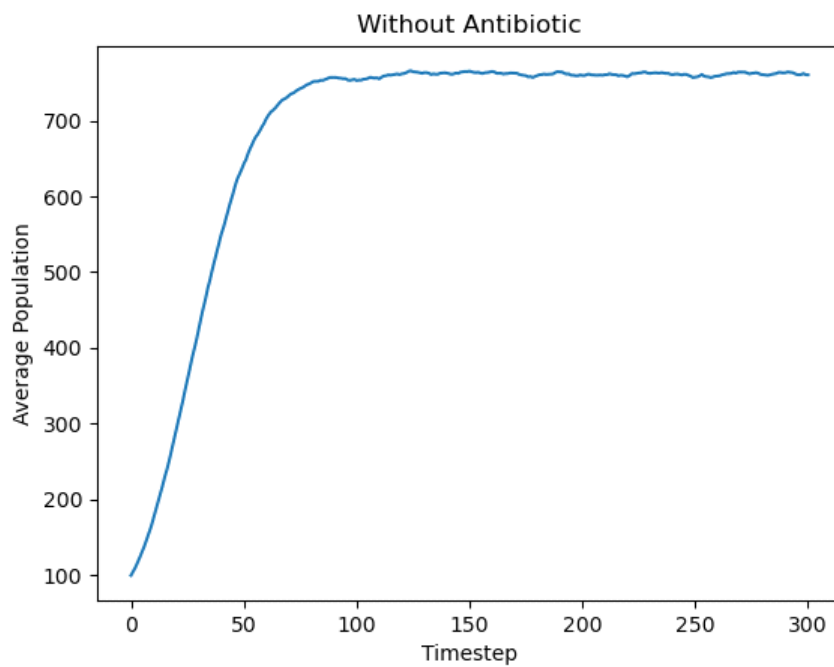
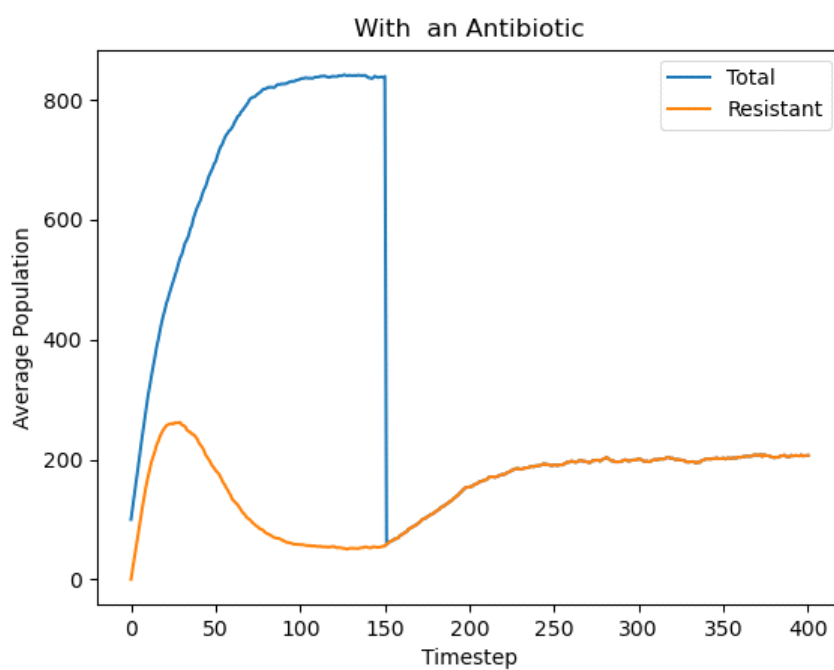
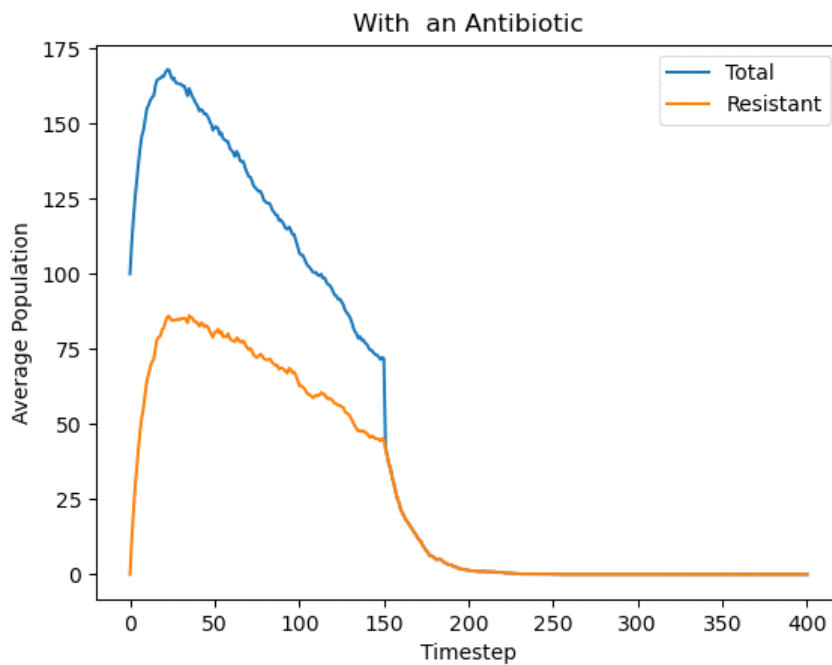


## Problem2



## Problem5





Trends of Simulation A and Simulation B

A birth\_prob 为 0.3 B birth\_prob = 0.17

1. What happens to the total population before introducing the antibiotic?

A: 急速增长, 缓慢增长。

B: 急速增长, 逐渐下降。

2. What happens to the resistant bacteria population before introducing the antibiotic?

A: 急速增长, 缓慢下降, 并趋于平稳

B: 急速增长, 缓慢下降。

3. What happens to the total population after introducing the antibiotic?

A: 急速下降; 逐渐上升, 并趋于平稳。

B: 急速下降, 缓慢下降, 并消灭殆尽。

4. What happens to the resistant bacteria population after introducing the antibiotic?

A: 缓慢增长并趋于平稳。

B: 继续下降直到消灭完毕