Estimate the average TTF and number of functional components of the system TTF problem, which should be about 14 and 1.5 respectively.

2. Compare the performance measures estimated using the simulation model developed previously and the values from the formulas of M/M/1 queues in the queueing theory. (Reference URL: https://zh.wikipedia.org/zh-tw/M/M/1)

```
MeanInterarrival = 6, MeanService = 4
(Theory Results)
Avg System Num : 2.00
Avg System Time : 12.00
Avg Queue Num : 1.33
Avg Queue Time : 8.00
Num of repetitions = 100, alpha = 0.05
(Simulation Results)
Avg System Num : mean 2.01 | std 0.11 | 95% confidence interval [ 1.99, 2.03]
Avg System Time : mean 12.04 | std 0.59 | 95% confidence interval [11.93, 12.16]
Avg Queue Num : mean 1.34 | std 0.10 | 95% confidence interval [ 1.32, 1.36]
Avg Queue Time : mean 8.04 | std 0.56 | 95% confidence interval [ 7.93, 8.15]
 _____
MeanInterarrival = 6, MeanService = 3
(Theory Results)
Avg System Num : 1.00
Avg System Time : 6.00
Avg Queue Num : 0.50
Avg Queue Time : 3.00
 Num of repetitions = 100, alpha = 0.05
 .....
(Simulation Results)
Avg System Num : mean  1.00 | std 0.03 | 95% confidence interval [ 1.00,  1.01]
Avg System Time : mean 6.02 | std 0.18 | 95% confidence interval [ 5.99, 6.06
Avg Queue Num : mean 0.50 | std 0.03 | 95% confidence interval [ 0.50, 0.51]
Avg Queue Time : mean 3.02 | std 0.16 | 95% confidence interval [ 2.99, 3.05]
 -----
MeanInterarrival = 6, MeanService = 5
(Theory Results)
Avg System Num : 5.00
Avg System Time : 30.00
Avg Queue Num : 4.17
Avg Queue Time : 25.00
Num of repetitions = 100, alpha = 0.05
 -----
(Simulation Results)
Avg System Num : mean 4.97 | std 0.55 | 95% confidence interval [ 4.87, 5.08] Avg System Time : mean 29.81 | std 3.19 | 95% confidence interval [29.18, 30.44] Avg Queue Num : mean 4.14 | std 0.55 | 95% confidence interval [ 4.03, 4.25] Avg Queue Time : mean 24.81 | std 3.16 | 95% confidence interval [24.19, 25.43]
```