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CS 302
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Project 5 Report

Table of times stored in seconds (average of 10 trials), CPU time and virtual time are in Real time.

Different Scenarios	Total simulation Time (s)	Total processing time (s)	Average wait time (s)	Maximum wait time (s)	Average length of the line (s)	Maximum length of the line (s)	The total idle time of each teller (time it waits before event arrive) (s)
Queue with one teller (array and Linked List)	Array: 33.2 Linked: 46.1	Array: 33.3 Linked: 46.2	Array: 21390 Linked: 22912	Array: 461091 Linked: 493045	Array: 96031 Linked: 97891	Array: 96819 Linked: 97979	0
Three Queues with three tellers (array and Linked List)	Array: 21.2 Linked: 31.3	Array: 21.4 Linked: 31.4	Array: 9451 Linked: 10971	Array: 23109 Linked: 12971	Array: 58320 Linked: 49420	Array: 78219 Linked: 73421	0
Single Queue with three tellers (array and Linked List)	Array: 12.9 Linked: 21.3	Array: 13.2 Linked: 21.5	Array: 19890 Linked: 19420	Array: 384202 Linked: 421933	Array: 78041 Linked: 82091	Array: 39890 Linked: 39420	0