(1) Cons	tome No 1 2 3 4 5 6 7 8 9 10	0.7	1() -1213 -123 -123 -123 -123 -123 -125 -125 -125 -125 -125 -125 -125 -125		do 6 1 2 3 1 7 8 7 3	to 679121320283538
Customer 1 2 3	No.	Enters O 6	Serve 4 6 26	Lew 4 10 31		Waits O O 19

- 1 The simulation ende at time 42.
- (b) austroner 1,2 and 9 do not have to wait in line and customer 3 had to wait the longest of 19 minutes in line.
- © P(unitoner writing in line) =  $\frac{7}{10}$  = 0.7.

	automen No.  1 2 3 4 5 6 7 8 9 10	Time	Hut in System 4 23 50 56 64 71
	Average time customer	sperde	in the system = $\frac{71}{10}$ = 0.71
©	Customer No.  1 2 3	Time	server is idle 0 2 0 0

Time simulation ende = 42

Total time server is ille = 3

Percentage of time serves is idle =  $\frac{Z}{4/2} \times 100$ = 7.1428%