

System initialized at 9:18

Task Curr = 9:16;3 not on stack

t_1 t_2 t_3
 $C_1 = (9:08, 3, 20)$ $C_2 = (9:05, 4, 15)$

9:18, 3
9:10, 12
stack (tasks)

cust: (9:18, 5, 5)
(next arrival)

g(customers) T=next Task: 9:25, 2
(9:12, 6, 15)
(9:13, 3, 10)
(9:15, 4, 15)

Arrivals file

Task file
9:33, 1

9:24, 10, 15

9:30, 2, 10

time Event list, type
→ 9:18 2

9:18 7

9:20 1

9:20 5

9:25 6

event types

1 exit from t_1

2 exit from t_2

3 exit from t_3

(4 quit of and exit)

5 task completion

6 task arrival

7 customer arrival

①

CURR=918 exit2: (905, 4, 15)
 ++ = 13

<u>t₂</u>	<u>q</u>	<u>E</u>
912, 6, 15	913, 3, 10	918 7
	915, 4, 15	920 1
		920 5
		924 2
		925 6

CURR=918 arrival: (918, 5, 5)

<u>CUST</u>	<u>q</u>	<u>E</u>
9:24, 10, 15	913, 3, 10	920 1
	915, 4, 15	920 5
	918, 5, 5	924 2
<u>arrivals</u>		924 7
930, 2, 10		925 6

CURR=920 exit1: (908, 3, 20)
 ++ = 12

<u>t₁</u>	<u>q</u>	<u>E</u>
913, 3, 10	915, 4, 15	920 5
	918, 5, 5	923 1
		924 2
		924 7
		925 6

CURR=920 task completion: 916, 3

<u>9:10 12</u>	<u>E</u>
<u>stack</u>	923 1
	923 5
<u>currTask</u>	924 2
913 3	924 7
	925 6

CURR=923 exit1: 913, 3, 10
 ++ = 10

<u>t₁</u>	<u>q</u>	<u>E</u>
915, 4, 15	918, 5, 5*	923 5
		924 2
		924 7
		925 6
		927 1

CURR=923 task compl: 913, 3

<u>stack</u>	<u>E</u>
	924 2
<u>currTask</u>	924 7
9:10, 12	925 6
	927 1
	935 5

* will quit

②

CURR=924 exit2: 912,6,15
 $++ = 12$

quit: 918,5,5 quit at 923

<u>t2</u>	<u>g</u>	<u>E</u>
		924 7
		925 6
		927 1
		935 5

CURR=924 arrival: 924,10,15

<u>t2</u>	<u>g</u>	<u>E</u>
924,10,15	← 924,10,15	925 6
		927 1
<u>CUST</u>		930 7
930,2,10		934 2
		935 5

CURR=925 Task arrival: 925,2

<u>task file</u>	<u>925 2</u> <u>stack</u>	<u>E</u>
		927 1
<u>next task</u>		930 7
9:33,1		933 6
		934 2
		935 5

CURR=927 exit1: 915,4,15
 $++ = 12$

<u>t1</u>	<u>g</u>	<u>E</u>
		9:30 7
		933 6
		934 2
		935 5

CURR=930 arrival: 930,2,10

<u>g</u>	<u>t1</u>	<u>E</u>
930,2,10	930,2,10	932 1
		933 6
<u>CUST</u>		934 2
		935 5

arrival

CURR=932 exit1: 930,2,10
 $++ = 2$

<u>g</u>	<u>t1</u>	<u>E</u>
		933 6
		934 2
		935 5

(3)

CURR=933 task am: 933,1

933,1

925,2

stack

E

934 2

935 5

next task

task file

CURR=934 ruit2: 924,10,15

tt=10

t2

g

E

935 5

CURR=935 task compl: 910,12

curr Task: 933,1

E

925 2

stack

936 5

CURR=936 task compl: 933,1

curr task: 925,2

E

stack

938 5

CURR=938 task compl: 925 2

E