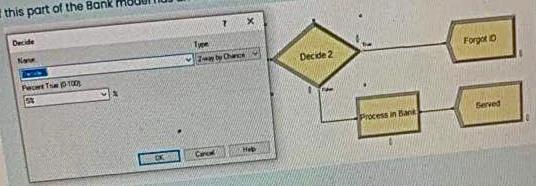
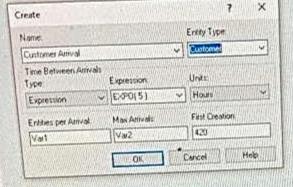
## If this part of the Bank model has an error, what is it?



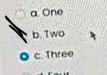
- a. Dispose modules should be swapped
- b. Has no error
  - c. The Type should be 2-way by condition
    - d. The percentage should be 95%

Next page



## Here is a reminder of the problem

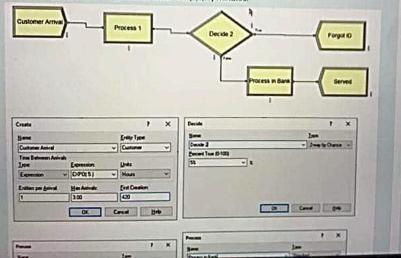
Customers arrive with Expo(5) minutes to a Bank opens at 8:00 am and closes its doors at 3:00 pm (does not allow anyone in). However, the customers who are already in the Bank will continue to be served and leave through another door. The Bank will not shut down until all customers are flushed out (given it is 3:00 pm or after). There is just one process in this system that needs one of the 2 workers available to work on it, incoming customers have the chance of 5% to not going through the process since they lorget their LD. The process takes TRIA(2,5,10) minutes.



For the following problem, a suggested model is shown in the screenshot below. Answer the following questions about this model and solved the system. There are errors in this model.

d

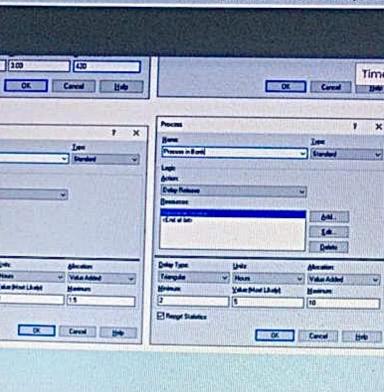
Customers arrive with Expo(5) minutes to a Bank opens at 8.00 am and closes its doors at 3.00 pm. (does not allow anyone in). However, the customers who are already in the Bank will continue to be served and leave through another door. The Bank will not shut down until all austomers are flushed out (given it is 3:00 pm or after). There is just one process in this system that needs one of the 2 workers available to work on it. Incoming customers have the chance of 6% to not going through the process since they forgot their I.D. The process takes TRIA(2,5,10) minutes.



## **CIUIZ NOVIGIODION**



Finish attempt...















lding a delay for two minutes instead of a route that takes two minu

This would work from modeling/numerical output viewpoints

This would not allow animation of part transfers

VAII of the above

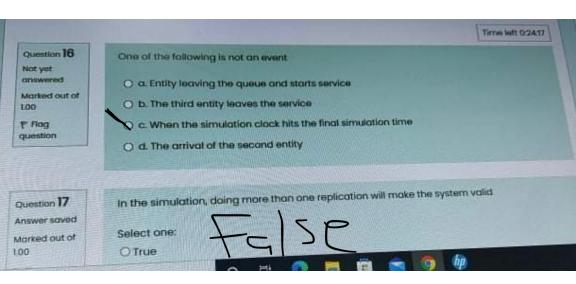
O None of the above

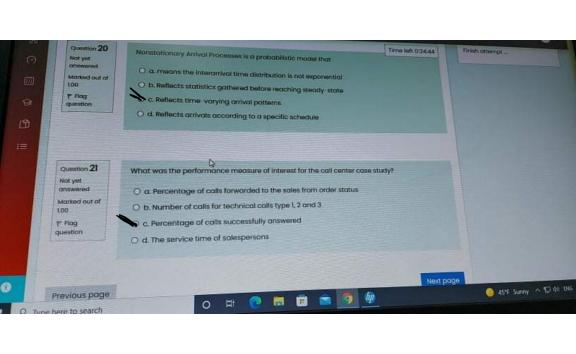
Clear my choice

Repeating the simulation for 3 times with each run for a length of 50 hours will result in a

- O 50
- 6
- 0 150
- It depends on the last enters the queue

- O a. 150
- b. I do not know (I need to run it to figure it out)
  - O c. Zero
  - O d. One





Question 26

Not yet conswered

Marked out of 100

F Remove fing

C. The queue will keep growing incrementally

O d. The resource will be underutilized

Next page

delay module from the block panel includes, by default, the store, and un-store modu

False

he following data are times between arrivals from a Poisson arrival process (in minutes): 3, 5, 4. A reasonable Arena input model for the times between arrivals would be

- Random Exponential (5)
- Random.Exponential(0.2)
- Random.Poisson(5)
- Random.Poisson(0.2)

Clear my choice

















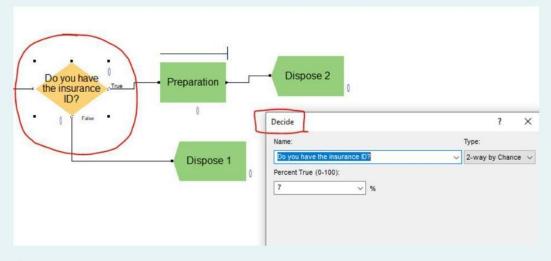








This part of the model might have an error, what is it (if there is one)?



- O Has no error
- The percentage should be 93%
- O Dispose modules should be swapped
- O Decide rule should 2-way by condition

the Create Module shown below for the clinic system, how many errors are there (if any)? (Hint: deal with very entry in the module separately)

×

Time left 0:18

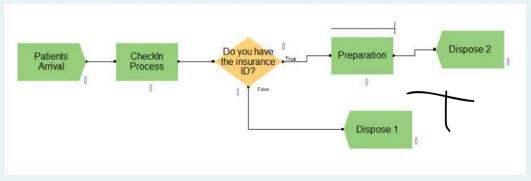
Name:		Entity Type:		
Patients Arrival		✓ Patient	~	
Time Between Arriva Type:	Value:	Units:		
Random (Expo)	4	Hours	~	
Entities per Arrival:	Max Arrivals:	First Creation	First Creation:	
1	Infinite	5	5	
Comment:				
7-				
	OK	Cancel	Help	

Create

nswer: 3

Patients arrive at a clinic according to a Poisson process with an average of FOUR per HOUR. The clinic opens at 8:00 am and closes its doors at 3:00 pm (does not allow anyone in). However, the patients who are already in the clinic will continue to be served. The clinic will not shut down until all patients are flushed out (given it is 3:00 pm or after). There are two processes in this system, the check-in that requires the receptionist and takes TRIA(0.5,2,3) minutes, and the preparation that needs the nurse and takes TRIA(7,10,20) minutes. Incoming patients have the chance of 7% not going through the whole process since they forgot their insurance I.D.

The following is a draft of the model, which has **something wrong** with the modules.



## Select one:



O False