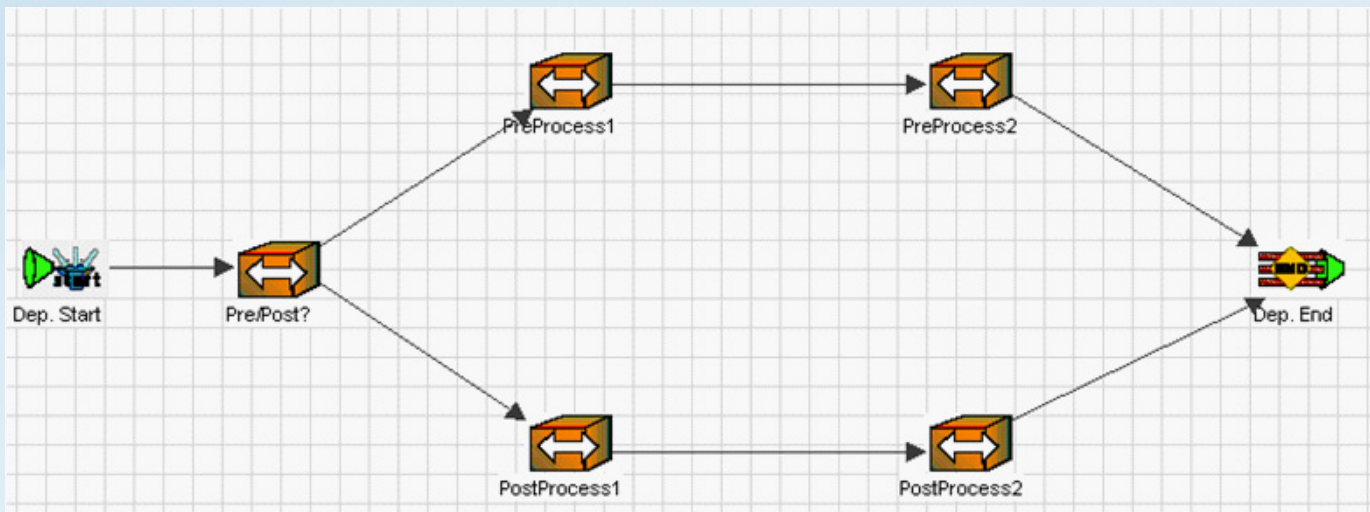## HEALTHCARE ADVANCED CLINIC MODEL - PART2

In this part, we will deal with object routing in all parts of the simulation. The way objects move between processes will also be further defined. We will also create processes and build a model of the Pre/Post Room department.

- Run the simulation. Open the properties of Waiting Room. Click Process/Object/Condition Routing.

- Check the box Process Based Routing. Fill out the table as shown:

	Process List	Next Process
1	Default Routing	
2	**Arrival**	**Registration**
3	Registration	**Triage**
4	Triage	**Pick Room** ⌄

- Open the properties of Triage. Click Process Capacity and Buffer. Change the Queue/Buffer Capacity to 0 objects and the Process Capacity to 2 objects. Accept the changes.

- Open the properties of Arrival and click Process Timing Properties. Change the Min to 5 and Max to 5 for Default Timing. Choose Minutes from the Time Based on list. Accept the changes.

- Open the properties of Registration. Click Process Capacity and Buffers. Change the Queue/Buffer Capacity to 0 and Process Capacity to 3. Close the window.

- Stop the simulation. Right click on Pre – Post Room and select Department Window.

- Add five Generic Processes and name them: Pre/Post?, PreProcess1, PreProcess2, PostProcess1, & PostProcess2. Connect the flow. The Department window should now look like this:

- Open the properties of Pre/Post? and click Process/Object/Condition Routing. Check the box Condition Based Routing and close the window.

- Click Additional Properties Definition under the Flow Properties tab. Select Object from the Variable Content list. Type prepost under Name and make sure Modify is checked . Accept the changes.

- Open the properties of PreProcess2 and open the customization tab. Select Process Extensions and choose ObjectProcessingCompleted from the Events list. Insert a new line and choose Expression from the Action list and prepost from the variable list. Type 1 in the box next to it and accept the changes.

- Open the properties of Pre/Post? again and click Process/Object/Condition Routing. Select PreProcess1 from the Next Process list for Default Routing. Then add a new line. Choose prepost from the Variable list and click insert. In the blank box type prepost == 1. Accept the changes and before closing the window, choose PostProcess1 from the Next Process List for prepost == 1.

- Open the properties of PreProcess2 and click Process/Object/Condition Routing. Select Pick Procedure Room for Next Process for Default Routing. Accept the changes.

- Next, open the properties of PostProcess2 and click Process/Object/Condition Routing. Choose Discharge from the Next Process list for Default Routing. Accept the changes and go back to the Model.

- Run the simulation. Open the properties of Registration and click Default Timing. Change the Min to 5 and Max to 15 and also change the time units to minutes. Accept the changes.

- Open the properties of Triage and click Process Timing Properties. Change Min to 10 and Max to 15 and also change the time units to minutes. Accept the changes and stop the simulation.

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