**Pseudocode to check if job status has changed in 30 mins**

1. assign item to nearest Technician

2. Get the current time, put in variable **timeAtBeginning**

3. Loop

3.1 Get current time, put in variable **currentTime**

3.2 Get the *status* of service assigned

3.3 If (difference between **timeAtBeginning** and **currentTime** is < 30)

AND (service status!= jobTaken)

3.3a wait 1 more min

Go back to loop again

Else

3.3b If (service status == jobTaken)

3.3bi Exit the loop

3.3b If ( difference between **timeAtBeginning** and **currentTime** > 30)

Assign item to NEXT nearest Technician

Get current time, UPDATE it in variable **timeAtBeginning**

Go back to beginning of loop (this may happen implicitly)