# Orange Auto Part Manufacturer (8)

The simulation bug has bitten the plant manager, and the plant manager is interested in testing a new idea.

Instead of allowing an infinite supply of work-in-process to stack up in front of the drilling machine, there is *only space for 3 parts*. The prep operators will place completed parts in the 3-space buffer. If a prep operator completes a part and all three buffer spaces are filled, the operator will hold onto the current part and will wait for space to become available.

Once the drilling machine removes a part from the buffer, the prep operator will move the part into the space in the buffer.

Run the model for five 8-hour days. The base time units should be minutes.   
Examine part cycle-time statistics, number in queue statistics, and resource utilization statistics.