

### ***Project assignment 3b***

In the task 3b I had to add a model parameter that determines the replenishment policy and the attribute reorderInterval for implementing the periodic replenishment policy.

Under periodic replenishment policy, the inventory levels are reviewed at a set frequency. Each third day, if the stock levels are below the pre-determined level, then an order for replenishment is placed, otherwise it is ignored till the next cycle. This method provides a viable process alternative to the continuous replenishment policy. This makes it easier to manage when the process is manual, or the number of items involved is extremely large, or when constraints on ordering-day exist.

As you can see, in my experiments with periodic replenishment policy the lost sales were between 123 and 2654 units, and the result is worse in project assignment 3a.