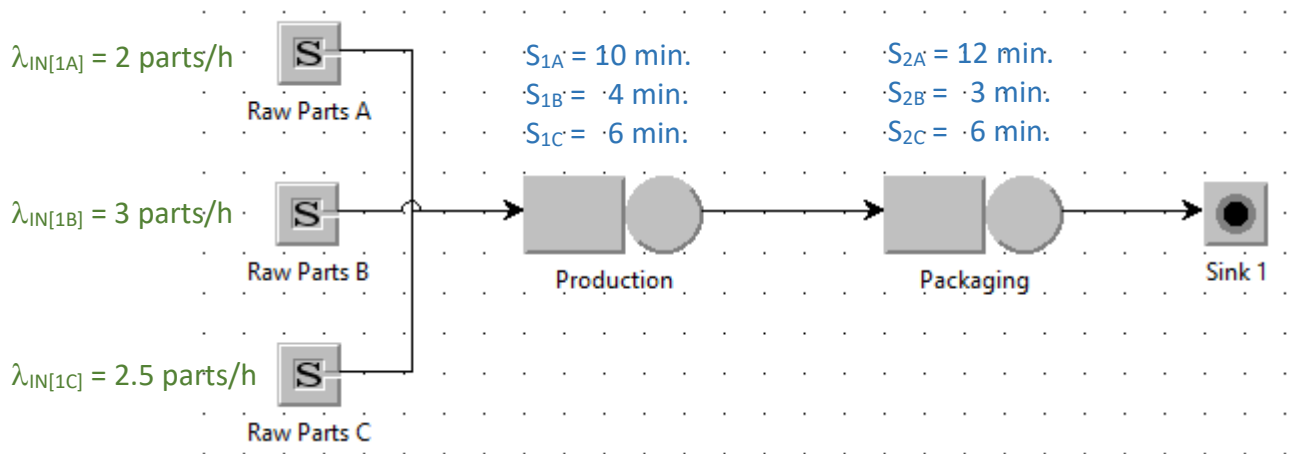


## Multi-class Open models' solution

Consider the following model of a production / packaging facility that produces three types of products (three classes), each one characterized by its own features in terms of arrivals of the raw parts, assembly and handling times.



Determine (using a programming language, and **NOT** a tool like a **JMT**):

1. The utilization of the two stations
2. The average number of jobs in the system for each type of product (class  $c$  -  $N_c$ ).
3. The average system response time per product type (class  $c$  -  $R_c$ )
4. The class-independent average system response time ( $R$ )