**Lab work – Simulation with ARENA**

Cafeteria example:

People arrive at a cafeteria with an interarrival time exponentially distributed with mean 5 minutes. There are two serving areas: one for hot food and the other for sandwiches. The hot food area is selected by 80% of the customers and it has 6 servers. The sandwich area is selected by the remaining 20% of the customers and has two servers. Hot food takes 4±1 minutes to serve and sandwiches take 2±1 minutes to serve. When they have been served, the customers move into the seating part of the cafeteria which has a seating capacity for 30 people. **The average time for eating any food is 20±10.** When they have finished eating, the customers leave the seating area and the cafeteria.

Simulate the system for 10 hours.