## Performance indices of a small company Intranet

The intranet of a small company, with N = 100 employees, is composed by three servers: the mail server, the file server, and the Intranet applications server. Their average service times are respectively:  $D_m = 50ms$ ,  $D_f = 150ms$  and  $D_a = 25ms$ . The three stations are also characterized by the following visits:  $v_m = 0.7$ ,  $v_f = 0.2$  and  $v_a = 1$ . Knowing that the think time of the users is  $Z = 10 \, s$ ,

## Compute:

- 1. The demand of the three station
- 2. The system throughput
- 3. The system response time