Build the Markov chain for evaluating the reliability, the steady state availability and the safety of a system composed of three CPU working in parallel and whose output is given by a voter. Assume that components fail according to an exponential distribution with rates equal to λ_{CPU} and λ_{VOTER} , respectively. The repair rate is equal to μ for each component and it is independent of the number of faulty components of the same type. The covering factors are:

- CCPU-F, in the case of cpu failure,
- C_{CPU-R}, in the case of cpu repair,
- Cvoter-F, in the case of cpu failure,
- C_{VOTER-R}, in the case of cpu repair.

Assume that the system is turned off in the case of failure.

