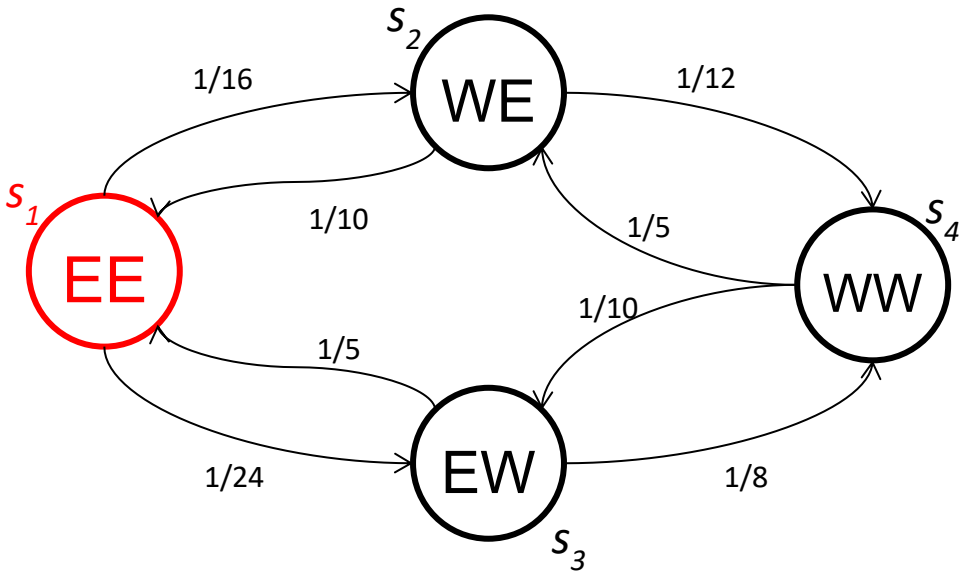
Embedded system

The state machine and performance vector and matrices describing the considered system are the following:



$\alpha_U = [1, 1, 1, 0]$

$\alpha_N = [2, 1, 1, 0]$

$$\xi_X = \begin{vmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{vmatrix}$$

Results are:

U = 0.875622
N = 1.35323
X = 0.0870647
N(10) = 1.47644
N(20) = 1.37672
N(50) = 1.3534
N(100) = 1.35323