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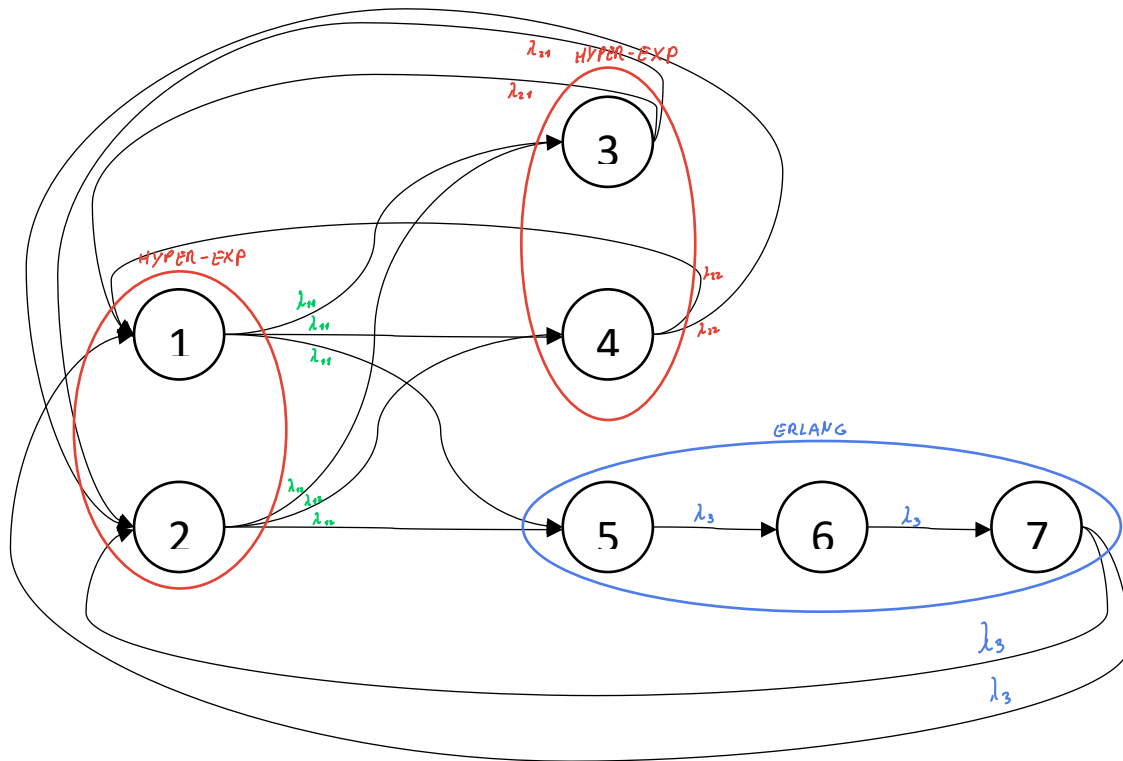
The state machine and performance vector and matrices describing the considered system are the following:

$\alpha_{computing} = [1, 1, 0, 0, 0, 0, 0]$
$\alpha_{WiFi} = [0, 0, 1, 1, 0, 0, 0]$
$\alpha_{4G} = [0, 0, 0, 0, 1, 1, 1]$

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

Results are:

```
X            = 0.997506
P_Computing  = 0.139651
P_WiFi       = 0.598504
P_4G         = 0.261845
```