Example 5.5

Q : without repair facility

$S = \{0, 1, 2\}$ $T = \{0 \quad 1h \quad 2h \cdots\}$ a.

$P = ?$ $\boxed{?}$?

Solution

$$P = \begin{bmatrix} (1-a)^2 & 2a(1-a) & a^2 \\ 0 & 1-a & a \\ 0 & 0 & 1 \end{bmatrix}$$