$t = 0$

$P(N) = 0.9$ $P(D) = 0.1$

$P(N|N) = 0.9$ $P(D|N) = 0.1$ $P(N|D) = 0.4$ $P(D|D) = 0.6$

$t = 1$

$B_{NN} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$ $B_{ND} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$ $B_{DN} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$ $B_{DD} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$

$P_{NN} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$ $P_{ND} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$ $P_{DN} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$ $P_{DD} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$