Monte Carlo simulation result
Exact analytical result
Asymptotic analytical result

\begin{align*}
N_{l1}=N_{l2}=4, \rho=0.8 \\
N_{l1}=N_{l2}=2, \rho=0.8 \\
N_{l1}=N_{l2}=4, \rho=1 \\
N_{l1}=N_{l2}=2, \rho=1
\end{align*}

\[\begin{array}{c}
\lambda_{1r}=0.4, \lambda_{2r}=0.6, \lambda_{3r}=0.8, \lambda_{4r}=0.7. \\
\lambda_{1d}=0.2, \lambda_{2d}=0.3, \lambda_{3d}=0.25, \lambda_{4d}=0.35.
\end{array}\]