\[ \lambda_n = \lambda_{n,n} + \lambda_{n,h} \]
\[ \mu_n = \mu_{n,n} + \mu_{n,h} \]

[Diagram]

- States and transitions with rates \( \lambda_n, \lambda_r, \mu_n, \mu_r, \lambda_{n,h}, \lambda_{r,h}, \mu_{n,h}, \mu_{r,h} \)
- \( C_i = 1, C_q = 1 \)
- \( C_e = 1, T_r = 1, T_n = 1 \)