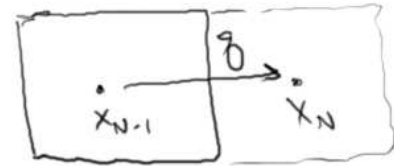


Dirichlet
"Prescribed Pressure"

$$q = T_{-1/2} (P_0 - P_{-1}) \quad T_{-1/2} = 2T_0$$

$$q = 2T_0 (P_0 - P_B)$$



Neumann
"No Flux"

$$q = T_{N-1/2} (P_{N-1} - P_N)$$

$$T_{N-1/2} = 0$$

B.C.'s

Dirichlet

$$\begin{array}{l}
 T_{-1/2} \text{ on } T_{N-1/2} \\
 \uparrow \text{ left } \quad \uparrow \text{ right} \\
 \downarrow \text{ left } \quad \downarrow \text{ right} \\
 Q_0 \text{ or } Q_{N-1}
 \end{array}
 = \begin{array}{l}
 2T_0 \text{ or } 2T_{N-1} \\
 \uparrow \text{ left } \quad \uparrow \text{ right} \\
 \downarrow \text{ left } \quad \downarrow \text{ right} \\
 2T_0 P_B \text{ or } 2T_{N-1} P_B
 \end{array}$$

Neuman

$$\begin{array}{l}
 T_{-1/2} \text{ or } T_{N-1/2} \\
 \uparrow \text{ left } \quad \uparrow \text{ right} \\
 \downarrow \text{ left } \quad \downarrow \text{ right} \\
 Q_0 \text{ or } Q_{N-1}
 \end{array}
 = 0$$