



$$P \Rightarrow Q = NPVQ$$

$$\frac{P}{T} = \frac{\sqrt{Q}}{Q} = \frac{\sqrt{P}}{P} = \frac{\sqrt{P}}{P}$$

we have proved that

$$\frac{P}{T} = \frac{q}{T} = \frac{P \Rightarrow q}{T} = \frac{PP \times q}{F} = \frac{PP \times q}{T} =$$

Bi-conditional

$$P \rightleftharpoons q \equiv (P \Rightarrow q) \land (q \Rightarrow p)$$

$$P \rightleftharpoons q \qquad P \Rightarrow q \qquad q \Rightarrow p \qquad (p \Rightarrow q) \land (q \Rightarrow p) \rightarrow p \Rightarrow q$$

$$T \vdash F \vdash T \qquad F$$

$$T \vdash T \vdash T \qquad T$$

Discrete Math 2023 Sayfa 3

If you heat the water it boils.  $p \Rightarrow q$   $P \qquad q \qquad p \Rightarrow p$ 

If the water does not boil than you're not heating it.

= if x is not when then it is not cat. \*