

Detailed Balance

If $\pi(x)T(x \rightarrow x') = \pi(x')T(x' \rightarrow x)$

Then $\pi(x') = \sum_x \pi(x)T(x \rightarrow x')$

Proof $\sum_x \pi(x)T(x \rightarrow x') = \sum_x \pi(x')T(x' \rightarrow x)$