MCMs Problem Set

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Question 4

Part 1

$$\begin{bmatrix} \vec{B} \end{bmatrix} = \begin{bmatrix} \vec{B} \end{bmatrix} \begin{pmatrix} \vec{B} & \vec{B} & -\vec{B} \\ \vec{B} \end{bmatrix} \begin{pmatrix} \vec{B} & \vec{B} \end{pmatrix} \begin{pmatrix} \vec{B} & \vec{B} \end{pmatrix}$$

$$\frac{1}{[B]^2} \cdot \frac{[B]}{[B]} = \frac{P - Y}{[B]} \cdot \frac{P}{N}$$

Part 2

$$-\dot{y} = \frac{\beta - \delta}{[B]} - \frac{\beta}{N}$$