a condicional complete yours yo seva; $p(y,|y,\phi,z') = p(y,|\phi,y,)p(y,)$

Temos que: 4. ~ N (1391.599, 12.10°)

$$y \sim N(1391.599, 12.10^{-6})$$
 $\Rightarrow 0^2 = \sqrt{12 \cdot 10^{35}}$
 $\Rightarrow 0^2 = \sqrt{12 \cdot 10^{35}}$

$$\Rightarrow \psi(y_0|.) \approx \exp\left\{-\frac{1}{2\pi} \sum_{i=1}^{t} (y_t - \phi y_{t-i})^2 \left\{ \exp\left\{-\frac{1}{2 \cdot 2\infty \sqrt{50}} \cdot (y_0 - 1341.49)^2 \right\} \right\}$$

$$\psi(y_0|.) \approx \exp\left\{-\frac{1}{2\pi} \sum_{i=1}^{t} (y_i - \phi y_{t-i})^2 + \frac{1}{2 \cdot 2\infty \sqrt{50}} \cdot (y_0 - 1341.599)^2 \right\}$$

$$\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}}{\sqrt{(y_0 + y_0)^2 + \frac{1}{27}}} \right) + \left(\frac{\sqrt{(y_0 + y_0$$

$$p(y, 1.)$$
 $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$ $e^{-\frac{1}{2\sigma}}$

$$\frac{Q'}{Q'} = \frac{2 \times 10^{-100 \times 10$$

$$\frac{1}{\sqrt{2\pi}} \frac{1}{200\sqrt{50}} \frac{1}{(y_0 - 1501.577)} \left(\frac{1}{27} \frac{1}{200\sqrt{50}} \frac{1}{27} \frac{1}{$$