Submission for Appoor Walia and Meurco Lagos

3.2
$$y \sim Bernoulli(7)$$

 $x_j / y = 1 \sim N(\mu_j^4, \sigma_j^2)$
 $x_j / y = 0 \sim N(\mu_j^0, \sigma_j^2)$

$$= \frac{d}{\sqrt{11}} \frac{-(z_{i}-n_{i})^{2}}{\sqrt{-z_{i}}}$$

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$$P(y=0/x) = P(x|y=0)P(y=0) P(x) = P(x|y=0)P(y=0) P(x|y=0)P(y=0)+P(x|y=1)P(y=1)$$

$$\frac{d}{z} = \frac{-(z_{j} - \mu_{j}^{0})^{2}}{\int_{z=1}^{z} \sqrt{2\pi\sigma_{j}}}$$

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