$$P(z) \stackrel{>}{\sim} N(0,1)$$

$$P(z) \stackrel{>}{\sim} P(x) = \int_{Z} P(x|z) P(z) dz$$

$$\frac{1}{16} \frac{1}{16} \frac{1}{16} \frac{1}{16} \frac{1}{16} P(x) dz$$

$$\frac{1}{16} \frac{1}{16} \frac{1}{16} \frac{1}{16} \frac{1}{16} \frac{1}{16} P(x) + \frac{1}{16} \frac{1}{16} \frac{1}{16} P(x) + \frac{1}{16} P(x)$$