$$\begin{array}{lll}
X \sim N(0, \alpha) \\
Y = X + N(0, \beta) \\
Z = Y + N(0, \gamma)
\end{array}$$

$$\begin{array}{lll}
X, Y, Z \sim N(0, \alpha) \\
Z = Y + N(0, \gamma)
\end{array}$$

$$\begin{array}{lll}
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Our approach

Find $X^{i} \notin S^{k}$ X = 1

gingy zhao