

$$\begin{cases} \text{VAR}(X) = E(X^2) - E(X)^2 \\ G''(1) = E(X(X-1)) = E(X^2) - E(X) \\ G'(1) = E(X) \end{cases}$$

$$\text{VAR}(X) = G''(1) + G'(1) - G'(1)^2$$

