$$Va \left(X\right) \stackrel{\text{def}}{=} \left\{ \sum_{X = E(X)} \sum_{X = E(X)} \left(X\right) \right\}$$

$$Va \left(X\right) \stackrel{\text{def}}{=} \left\{ \sum_{X = A_{X}} \sum_{X = E(X)} \left(X\right) \right\}$$

$$Va \left(X\right) \stackrel{\text{def}}{=} \left\{ \sum_{X = A_{X}} \sum_{X = E(X)} \left(X\right) \right\}$$

comp
$$E(x^2) - [E(x)]^2$$

$$E[g(x)] = \sum_{x=0}^{\infty} g(x) P(x=x)$$

$$E[X(X-1)] = E[X^2 - X] = E(X^2) - E(X)$$