

$$X(\omega_{i}) = \begin{cases} 1 & \omega_{i} \geq H \\ -1 & \omega_{i} = T \end{cases}$$

$$M(h) = \sum_{i=1}^{N} X(\omega_{i}) \qquad M(0) = 0$$

$$E[X - E[X]]^{2} = E[X^{2} - 2XE[X] + E[X]^{2}]$$

$$= E[X^{2}] - 2E[XE[X]] + E[E[X]^{2}]$$

$$= E[X^{2}] - E[X]^{2}$$

$$= E[X^{2}] + E[X]^{2}$$

$$= E[X^{2}] + E[X]^{2}$$

$$= E[X^{2}] + E[X]^{2}$$

$$= E[X^{2}] + 2ABE[X] + B^{2}E[Y^{2}]$$

$$= \alpha^{2} E[X]^{2} - 2ABE[X] + B^{2}E[Y^{2}]$$

$$= \alpha^{2} Var(X) + 2ABG(X) + B^{2}Vor(Y)$$

$$Q(h) = \sum_{i=2}^{N+2} X_{i} \qquad GH(h)$$

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