Monday, March 22, 2021 5:31 PN

Porper Perper = 1

E[x] = p, esper = 2

Can we achieve
$$p_0 = 1/2$$
 ? \Rightarrow all \Rightarrow then h/h = 0

P(x) = p, esper = 1

P(x) = p = p = 2

$$P\left(0,\frac{5}{6},\frac{5}{6}\right) = 1$$

$$P\left(\frac{1}{6},\frac{5}{6}\right) = 1$$

$$P\left(\frac{1}{6$$

$$\frac{1}{2} \frac{1}{n+1} \frac{1}{2} \frac{1}{n+1} \frac{1}{2} \frac{1}{n+2} \frac{1}$$

Pr (HTH before HHH) =
$$\frac{1}{2} \times + \frac{1}{2} \left(\frac{1}{2} e^{\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right)}{1 + \frac{1}{4} - 0} \right) =$$

$$X = \frac{1}{2} \times \frac{3}{16} (1+x) \Rightarrow X = \frac{3}{5}$$

Steps:
$$P^{ch}P$$

$$P_{k} = Pr \left(\frac{1}{2} \text{ gees } \mathbf{T} \right)$$

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$$P_{k} = Pr$$

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\mathbb{E}\left[\begin{array}{c} X_{H} - X_{T} \end{array}\right] = \frac{2}{2} \underbrace{\sum_{k=0}^{N_{A}} \left(n-2k\right) \cdot \binom{n}{k}}_{k} = \frac{1}{2^{n_{A}}} \cdot \left(n\underbrace{\sum_{k=0}^{N_{A}} \binom{n}{k}}_{k}\right) \underbrace{\sum_{k=0}^{N_{A}} \binom{n}{k}}_{k}}_{2^{n_{A}} - k_{T}} \right] = \underbrace{\sum_{k=0}^{N_{A}} \left(2k-n\right) \cdot \binom{n}{k}}_{k} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} = \underbrace{\sum_{k=0}^{N_{A}} \left(2k-n\right) \cdot \binom{n}{k}}_{k} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} \right]}_{2^{n_{A}} = \underbrace{\sum_{k=0}^{N_{A}} \left(2k-n\right) \cdot \binom{n}{k}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} = \underbrace{\sum_{k=0}^{N_{A}} \left(2k-n\right) \cdot \binom{n}{k}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} = \underbrace{\sum_{k=0}^{N_{A}} \left(2k-n\right) \cdot \binom{n}{k}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} = \underbrace{\frac{1}{2^{n_{A}}}}_{2^{n_{A}}} \cdot \underbrace{\frac{1}{2^{n_{$