

## Ex 12B

Tuesday, 26 February 2019 2:09 PM

$$\begin{aligned} 13b) & P(\geq 1H \text{ and } \geq 1T) \\ &= 1 - P(\text{all H}) - P(\text{all T}) \\ &= 1 - 2 \times \left(\frac{1}{2}\right)^n \\ &= 1 - 2 \times \frac{1}{2^n} \\ &= 1 - \frac{1}{2^{n-1}} \\ &= \frac{2^{n-1} - 1}{2^{n-1}} \end{aligned}$$

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