

$$p = 0.7 \quad n = 17$$

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$$1. P(A) = 0.7$$

$$2. P(X \geq 1) = 1 - P(X = 0)$$

$$= 1 - 0.3^{17}$$

$$= 0.9999 \dots$$

$$\approx 1$$

$$3: P(X = 10) = \binom{17}{10} 0.7^{10} \cdot 0.3^7$$

$$= 0.1201$$