

Exercice 6

Questions 1 et 2

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- ▶ $\Omega = \{1; 2; \dots; 14; 15\}$

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- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$

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- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

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- ▶ $\Omega = \{1; 2; \dots; 14; 15\}$
- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
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1. $\mathbb{P}(A) = \frac{7}{15} \simeq 0,47$

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$$1. \quad \mathbb{P}(A) = \frac{7}{15} \simeq 0,47$$

$$2. \quad \mathbb{P}(B) = \frac{6}{15} = \frac{2}{5} = 0,4$$

Question 3

- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $\bar{A} = \{1; 3; 5; 7; 9; 11; 13; 15\}$

Question 3

- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $\bar{A} = \{1; 3; 5; 7; 9; 11; 13; 15\}$
donc $\mathbb{P}(\bar{A}) = \frac{8}{15} \simeq 0,53$

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- ▶ $\bar{A} = \{1; 3; 5; 7; 9; 11; 13; 15\}$
donc $\mathbb{P}(\bar{A}) = \frac{8}{15} \simeq 0,53$
- ▶ $\bar{B} = \{1; 2; 3; 4; 5; 6; 7; 8; 9\}$

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- ▶ $\bar{A} = \{1; 3; 5; 7; 9; 11; 13; 15\}$
donc $\mathbb{P}(\bar{A}) = \frac{8}{15} \simeq 0,53$
- ▶ $\bar{B} = \{1; 2; 3; 4; 5; 6; 7; 8; 9\}$
donc $\mathbb{P}(\bar{B}) = \frac{9}{15} = \frac{3}{5} = 0,6$

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- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $A \cap B = \{10; 12; 14\}$

Question 3

- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $A \cap B = \{10; 12; 14\}$
- donc $\mathbb{P}(A \cap B) = \frac{3}{15} = \frac{1}{5} = 0,2$

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- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $A \cap B = \{10; 12; 14\}$
donc $\mathbb{P}(A \cap B) = \frac{3}{15} = \frac{1}{5} = 0,2$
- ▶ $A \cup B = \{2; 4; 6; 8; 10; 11; 12; 13; 14; 15\}$

Question 3

- ▶ $A = \{2; 4; 6; 8; 10; 12; 14\}$
- ▶ $B = \{10; 11; 12; 13; 14; 15\}$

On a :

- ▶ $A \cap B = \{10; 12; 14\}$
donc $\mathbb{P}(A \cap B) = \frac{3}{15} = \frac{1}{5} = 0,2$
- ▶ $A \cup B = \{2; 4; 6; 8; 10; 11; 12; 13; 14; 15\}$
donc $\mathbb{P}(A \cup B) = \frac{10}{15} = \frac{2}{3} \simeq 0,67$