

Algorithmic Thinking for Migrants Teachers Education

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Handout #7: Evaluating a solution

EXERCISE #1

Mark the following statements as true or false:

- A. Most real-world software solutions are shown to be correct empirically rather than mathematically.
- B. Reducing the number of failing tests doesn't strengthen your claim to a solution's correctness.
- C. An inefficient solution cannot be considered correct.
- D. An elegant solution maximises both effectiveness and simplicity at the same time.
- E. A usability evaluation begins by explaining to the test subject how to use the system.

EXERCISE #2

Look back at the two examples in the section 'Is it elegant?' Write generic versions of both the obvious solution and Gauss's solution, both of which sum up numbers from 1 to N.