

# 1 Problem name

- *Algorithm*: name (algo. 1)
- *Input*: what inputs are expected
- *Complexity*: complexity of the algorithm, e.g.  $\mathcal{O}(n)$
- *Data structure compatibility*: data structures that can be used with the algorithm; N/A if unrelated
- *Common applications*: most common fields where this algorithm is used

**Problem.** Problem name

Precise and concise formal definition of the problem.

## Description

Detailed description of the problem; More detailed information on the input and complexity; more applications with details on how they relate to each other (if this is the case).

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**Algorithm 1:** name

**Input :**

**Output:**

1 **return**

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## References

- If available provide URLs, e.g. <http://mywebsite.org>
- Wikipedia is not acceptable if this is the unique reference
- Reference some books, or published articles
- Use reliable websites (no blog allowed) that are not likely to disappear any time soon