

Algorithm

PENG

Created: 20260909, Version: 20260909

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1 The Role of Algorithms in Computing

1.1 Algorithms

Definition 1.1 (algorithm). *Transform input into the output [1].*

2 Getting Started

2.1 Insertion sort

Definition 2.1 (sorting problem).

Input: $[a_1, a_2, \dots, a_n]$

Output: $[a'_1, a'_2, \dots, a'_n]$ such that $a'_1 \leq a'_2 \leq \dots \leq a'_n$

Algorithm 1 INSERTION SORT

References

- [1] Thomas H Cormen et al. *Introduction to algorithms*. Vol. 2. MIT press Cambridge, 1990.