傅申 PB20000051
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算法基础 作业 0

2.1–1. 问题描述

解: 解答

2.2–2. 问题描述

解: 如下

Algorithm 1: INSERTION-SORT(A)

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1 **for** $j = 2$ **to** $A.length$
2 $\quad key = A[j]$
3 $\quad$ // Insert $A[j]$ into the sorted sequence $A[1..j-1]$.
4 $\quad i = j - 1$
5 $\quad$ **while** $i > 0$ and $A[i] > key$
6 $\quad\quad A[i+1] = A[i]$
7 $\quad\quad i = i - 1$
8 $\quad A[i+1] = key$