**Problem 1:** Exercise 7.1-1 (p 173)

Array A = [13, 19, 9, 5, 12, 8, 7, 4, 21, 2, 6, 11]

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| p, j |  |  |  |  |  |  |  |  |  |  | r |
| 13 | 19 | 9 | 5 | 12 | 8 | 7 | 4 | 21 | 2 | 6 | 11 |

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| p | j |  |  |  |  |  |  |  |  |  | r |
| 13 | 19 | 9 | 5 | 12 | 8 | 7 | 4 | 21 | 2 | 6 | 11 |

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| p |  | j |  |  |  |  |  |  |  |  | r |
| 13 | 19 | 9 | 5 | 12 | 8 | 7 | 4 | 21 | 2 | 6 | 11 |

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| i, p |  |  | j |  |  |  |  |  |  |  | r |
| 9 | 19 | 13 | 5 | 12 | 8 | 7 | 4 | 21 | 2 | 6 | 11 |

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| p | i |  |  | j |  |  |  |  |  |  | r |
| 9 | 5 | 13 | 19 | 12 | 8 | 7 | 4 | 21 | 2 | 6 | 11 |

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| p | i |  |  |  | j |  |  |  |  |  | r |
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| 9 | 5 | 8 | 7 | 4 | 13 | 19 | 12 | 21 | 2 | 6 | 11 |

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| p |  |  |  | i |  |  |  |  | j |  | r |
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| p |  |  |  |  |  | i |  |  |  |  | r |
| 9 | 5 | 8 | 7 | 4 | 2 | 6 | 11 | 21 | 13 | 19 | 12 |

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| p |  |  | i |  |  |  |  | j |  |  | r |
| ≤ x | ≤ x | ≤ x | ≤ x | > x | > x | > x | > x |  |  |  | x |

**Problem 1:** Exercise 7.1-1 (p 173)

Array A = [13, 19, 9, 5, 12, 8, 7, 4, 21, 2, 6, 11]

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