

作业 12 参考答案 (by 薛正康)

P444-29

(1)

distanceFromSource

0	2	∞	20	∞	∞	∞	∞	∞	∞
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predecessor

0	1	-1	1	-1	-1	-1	-1	-1	-1
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(2)

[Step1]

distanceFromSource

0	2	∞	20	3	∞	∞	∞	∞	∞
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predecessor

0	1	-1	1	2	-1	-1	-1	-1	-1
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[Step2]

distanceFromSource

0	2	10	20	3	∞	∞	6	∞	∞
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predecessor

0	1	5	1	2	-1	-1	5	-1	-1
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[Step3]

distanceFromSource

0	2	10	20	3	8	∞	6	∞	8
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predecessor

0	1	5	1	2	8	-1	5	-1	8
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[Step4]

distanceFromSource

0	2	9	20	3	8	∞	6	∞	8
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predecessor

0	1	6	1	2	8	-1	5	-1	8
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[Step5]

distanceFromSource

0	2	9	20	3	8	∞	6	9	8
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predecessor

0	1	6	1	2	8	-1	5	10	8
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[Step6]

distanceFromSource

0	2	9	20	3	8	11	6	9	8
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predecessor

0	1	6	1	2	8	9	5	10	8
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(3)

1→2

1→2→5→8→6→3

1→4

1→2→5→8→6

1→2→5→8→10→9→7

1→2→5→8

1→2→5→8→10→9

1→2→5→8→10

快速排序

10	9	6	7	5	14	2	8
10	9	6	7	5	8	2	14
<u>10</u>	9	6	7	5	8	2	14
2	9	6	7	5	8	10	14
<u>2</u>	9	6	7	5	8	10	14
2	<u>9</u>	6	7	5	8	10	14
2	8	6	7	5	9	10	14
2	<u>8</u>	6	7	5	9	10	14
2	5	6	7	8	9	10	14
2	<u>5</u>	6	7	8	9	10	14
2	5	<u>6</u>	7	8	9	10	14
2	5	6	7	8	9	10	14
2	5	6	7	8	9	10	14