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|----------|--|---|--|--|-------------------------------------|---|---|-------------------------------------|--|-------------------------------------|--------------|--|---|--|--|--|--|
| Insert U | | | | | key: M val: 6 left: right: | comparisons 9 | x == null 3 | compareTo 2 | cmp < 0 2 | cmp > 0 2 | | | | | | | |
| | | key: I val: 1 left: right: null | | | | | | key: T val: 3 left: right: | | | | | | | | | |
| | key: D val: 2 left: null right: | | | | | | key: R val: 5 left: right: null | | key: U val: 8 left: null right: null | | | | | | | | |
| | | key: E val: 4 left: null right: null | | | | key: Q val: 7 left: null right: null | | | | | | | | | | | |
| Insert E | | | | | key: M val: 6 left: right: | comparisons 14 | x == null 4 | compareTo 4 | cmp < 0 4 | cmp > 0 2 | | | | | | | |
| | | key: I val: 1 left: right: null | | | | | | key: T val: 3 left: right: | | | | | | | | | |
| | key: D val: 2 left: null right: | | | | | | key: R val: 5 left: right: null | | key: U val: 8 left: null right: null | | | | | | | | |
| | | key: E val: 9 left: null right: null | | | | key: Q val: 7 left: null right: null | | | | | | | | | | | |
| Insert S | | | | | | key: M val: 6 left: right: | comparisons 12 | x == null 4 | compareTo 3 | cmp < 0 3 | cmp > 0 2 | | | | | | |
| | | key: I val: 1 left: right: null | | | | | | | | key: T val: 3 left: right: | | | | | | | |
| | key: D val: 2 left: null right: | | | | | | | key: R val: 5 left: right: | | | | | key: U val: 8 left: null right: null | | | | |
| | | key: E val: 9 left: null right: null | | | | | key: Q val: 7 left: null right: null | | key: S val: 10 left: null right: null | | | | | | | | |

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|----------|--|---|--|--|--|-------------------------------------|---|--|--|--------------------------------------|--|---|--|--|---|--|
| Insert T | | | | | | key: M val: 6 left: right: | comparisons 8 | x == null 2 | compareTo 2 | cmp < 0 2 | cmp > 0 2 | | | | | |
| | | key: I val: 1 left: right: null | | | | | | | | key: T val: 11 left: right: | | | | | | |
| | key: D val: 2 left: null right: | | | | | | | key: R val: 5 left: right: | | | | key: U val: 8 left: null right: null | | | | |
| | | key: E val: 9 left: null right: null | | | | | key: Q val: 7 left: null right: null | | key: S val: 10 left: null right: null | | | | | | | |
| Insert I | | | | | | key: M val: 6 left: right: | comparisons 8 | x == null 2 | compareTo 2 | cmp < 0 2 | cmp > 0 2 | | | | | |
| | | key: I val: 12 left: right: null | | | | | | | | key: T val: 11 left: right: | | | | | | |
| | key: D val: 2 left: null right: | | | | | | | key: R val: 5 left: right: | | | | key: U val: 8 left: null right: null | | | | |
| | | key: E val: 9 left: null right: null | | | | | key: Q val: 7 left: null right: null | | key: S val: 10 left: null right: null | | | | | | | |
| Insert O | | | | | | | key: M val: 6 left: right: | comparisons 14 | x == null 5 | compareTo 4 | cmp < 0 4 | cmp > 0 1 | | | | |
| | | key: I val: 12 left: right: null | | | | | | | | | | key: T val: 11 left: right: | | | | |
| | key: D val: 2 left: null right: | | | | | | | | | key: R val: 5 left: right: | | | | | key: U val: 8 left: null right: null | |
| | | key: E val: 9 left: null right: null | | | | | | | key: Q val: 7 left: right: null | | key: S val: 10 left: null right: null | | | | | |
| | | | | | | | | key: O val: 13 left: null right: null | | | | | | | | |

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