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| **16** | **21** | **11** | **8** | **12** | **22** |

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| **16** | **21** | **11** |  | **8** | **12** | **22** |

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| **16** |  | **21** | **11** |

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| **8** |  | **12** |  | **22** |

**---**

**O(n)**

**O(n)**

|  |  |  |  |
| --- | --- | --- | --- |
| **16** |  | **11** | **21** |

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| --- | --- | --- | --- |
| **8** |  | **12** | **22** |

**O(n)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **11** | **16** | **21** |  | **8** | **12** | **22** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **8** | **11** | **12** | **16** | **21** | **22** |

2 ˣ = n → logn

n \* logn

BigO = O(nlogn)