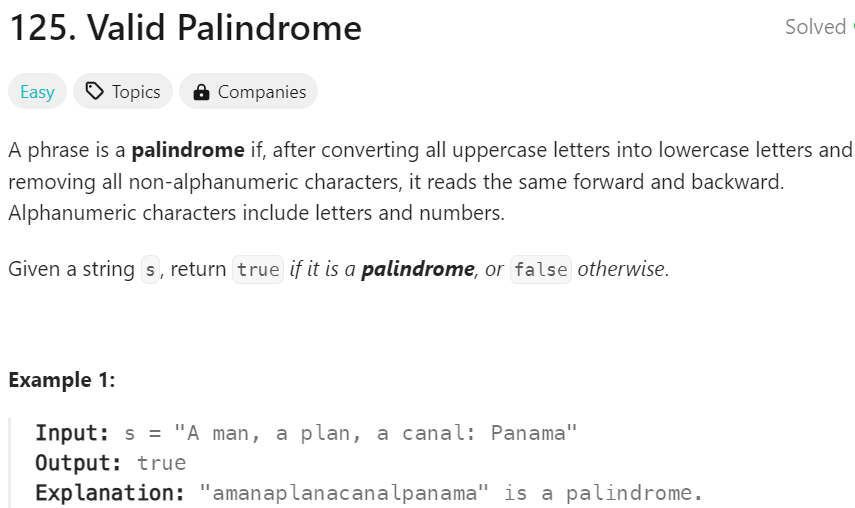
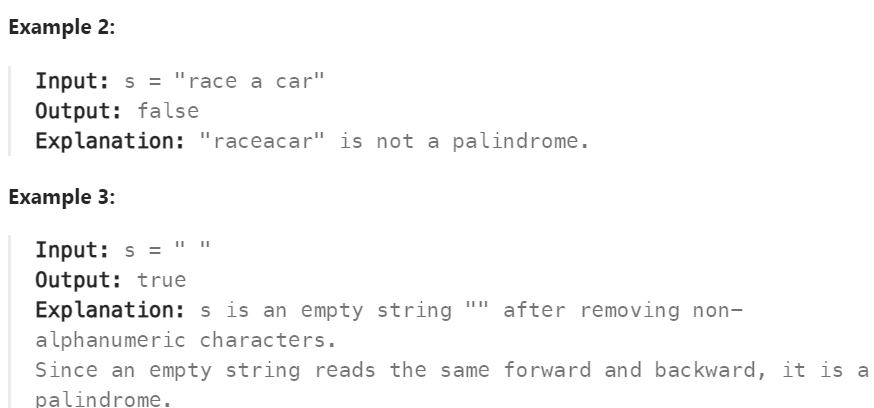
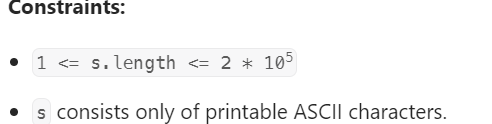
**21/11/24 PRACTICE PROBLEM FIZA THASHIN A(AI&DS)**

**TWO POINTERS:-**

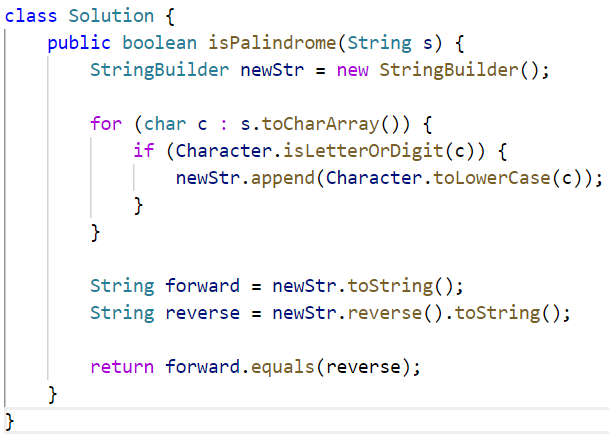
**1)**

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**SOLUTION**

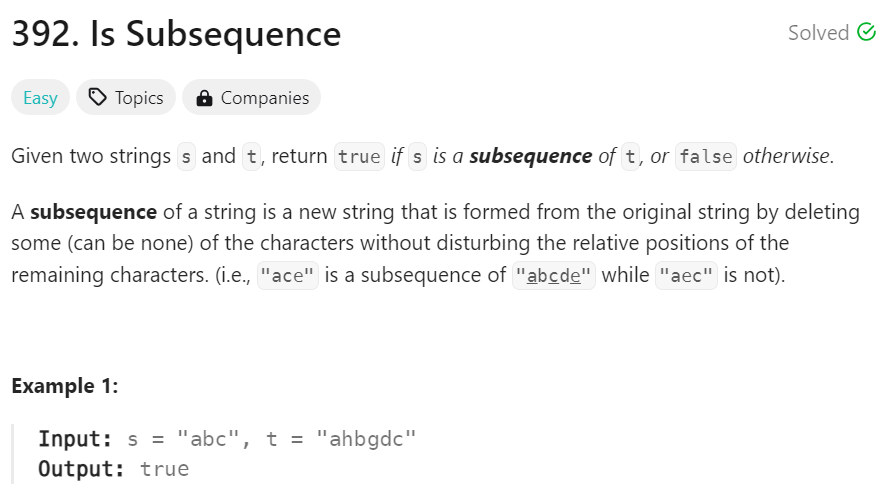
****

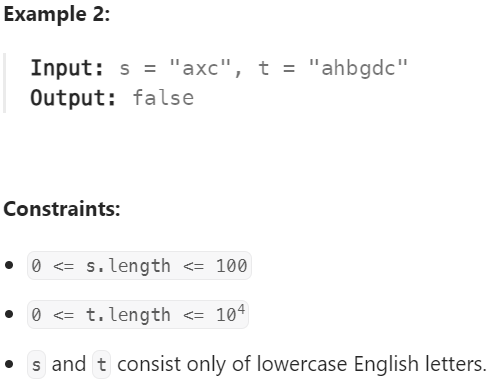
**OUTPUT**

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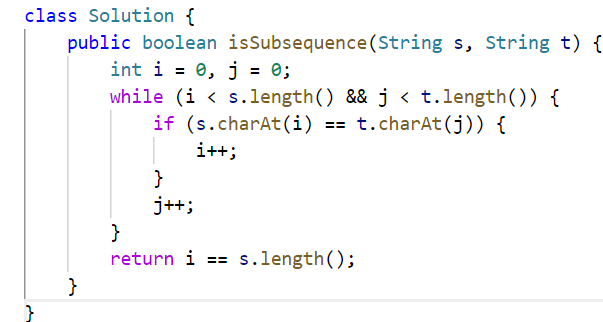
**TIME COMPLEXITY - O(n)**

**2)**

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**SOLUTION**

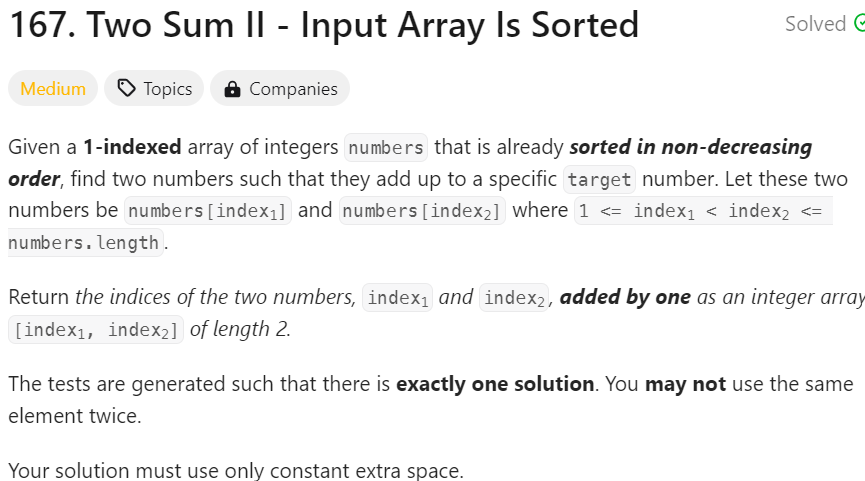
****

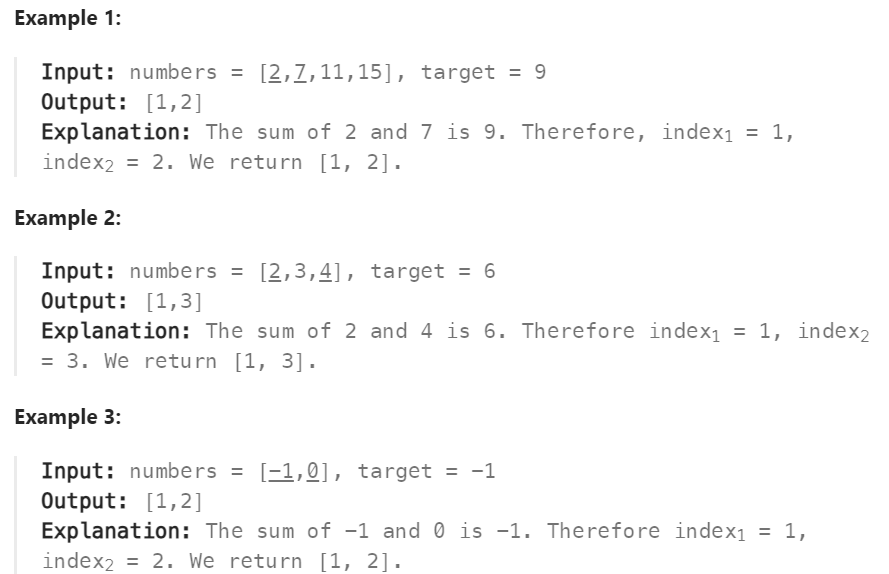
**OUTPUT**

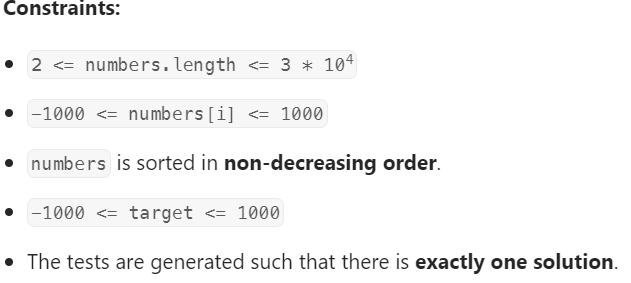
****

**TIME COMPLEXITY - O(m + n)**

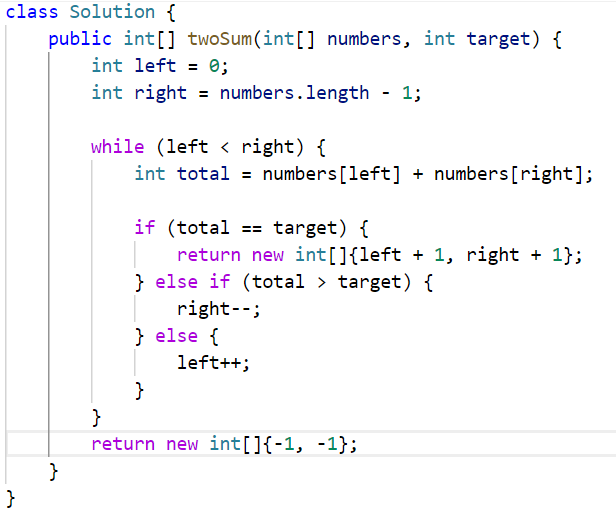
**3)**

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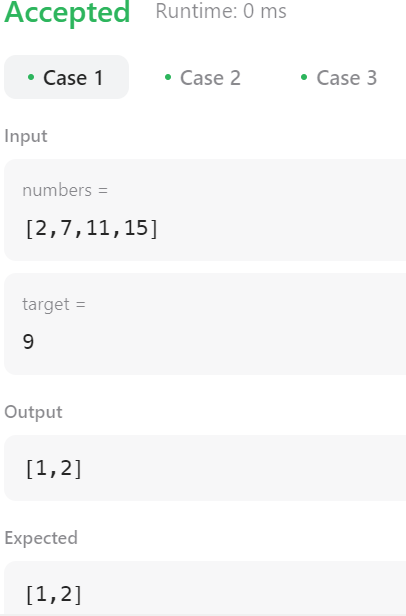
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**SOLUTION**

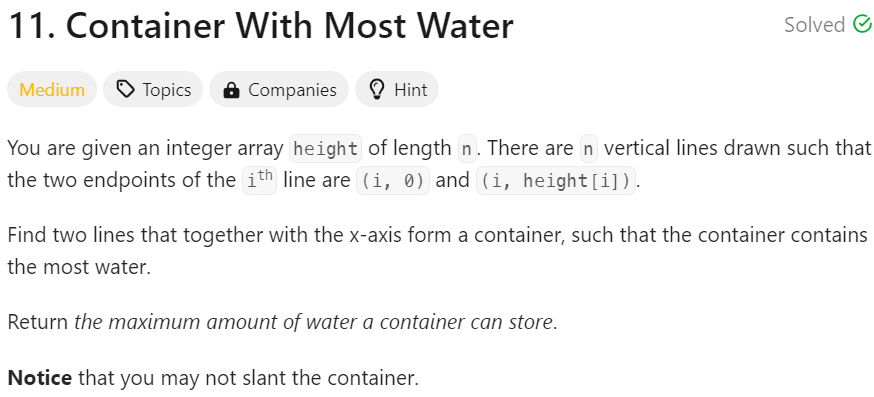
****

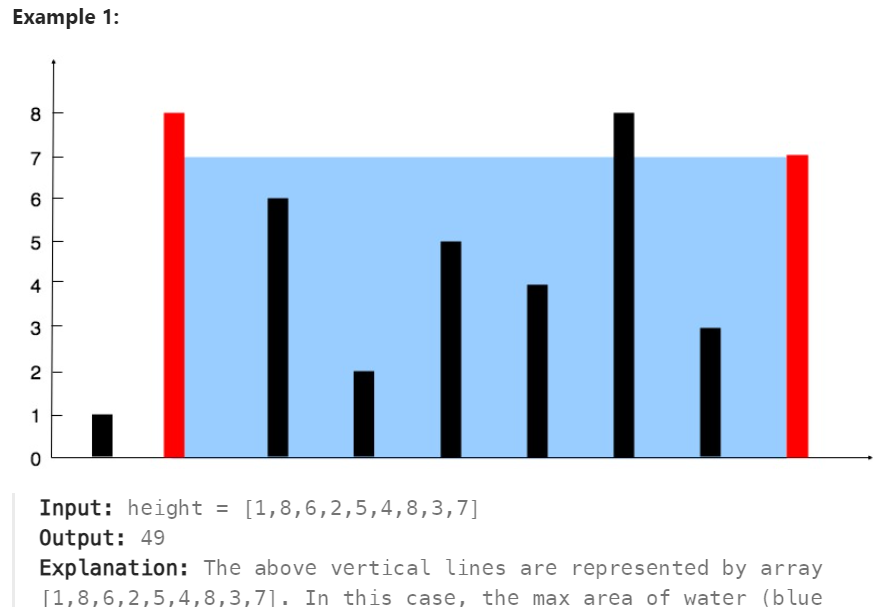
**OUTPUT**

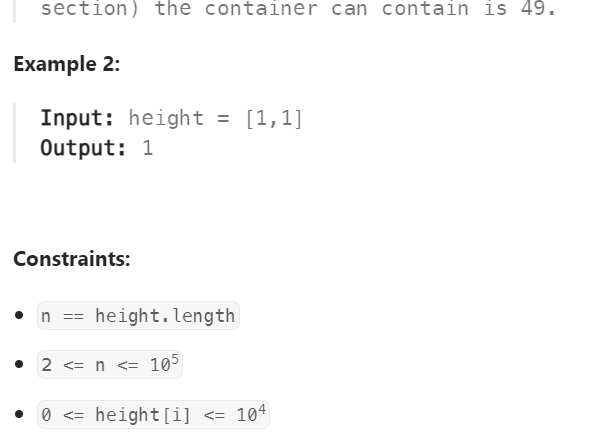
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**TIME COMPLEXITY - O(n)**

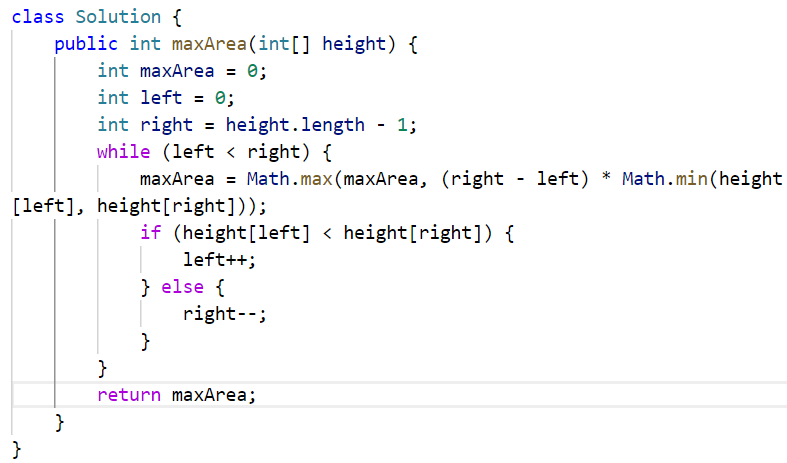
**4)**

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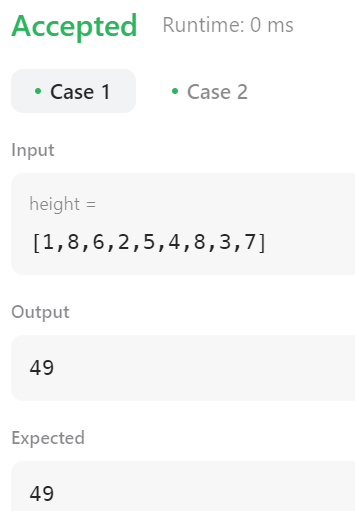
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**SOLUTION**

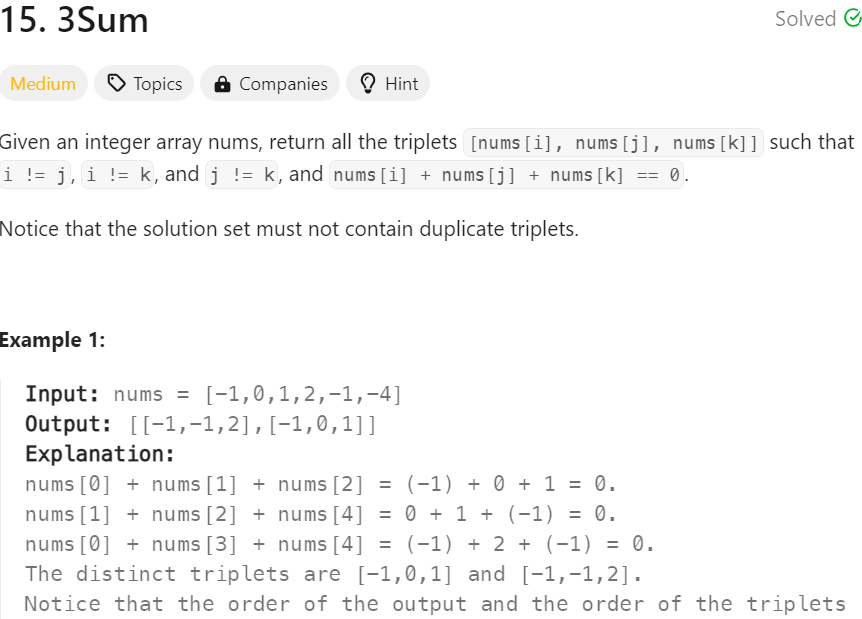
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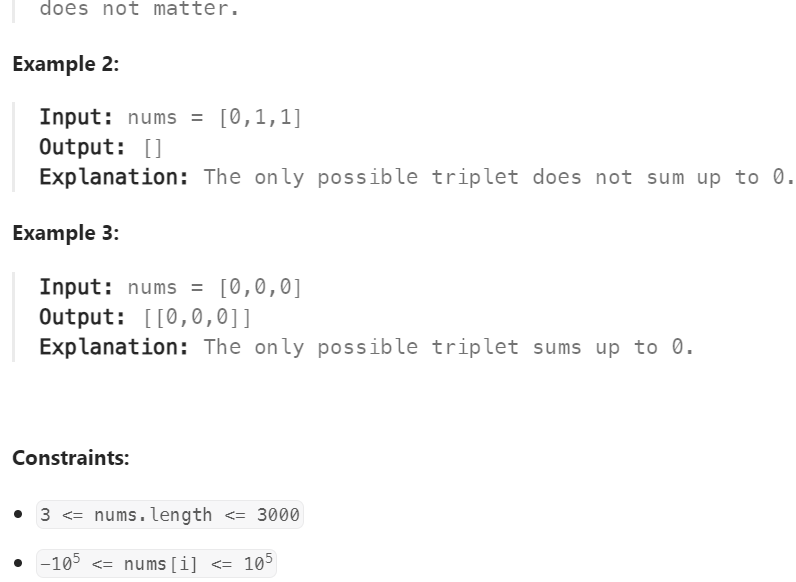
**OUTPUT**

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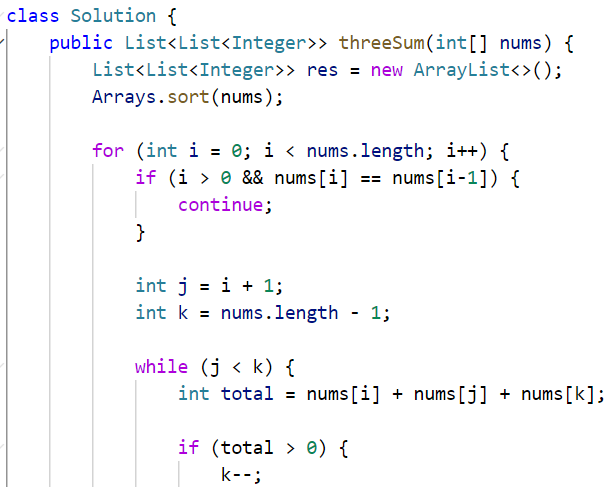
**TIME COMPLEXITY - O(n)**

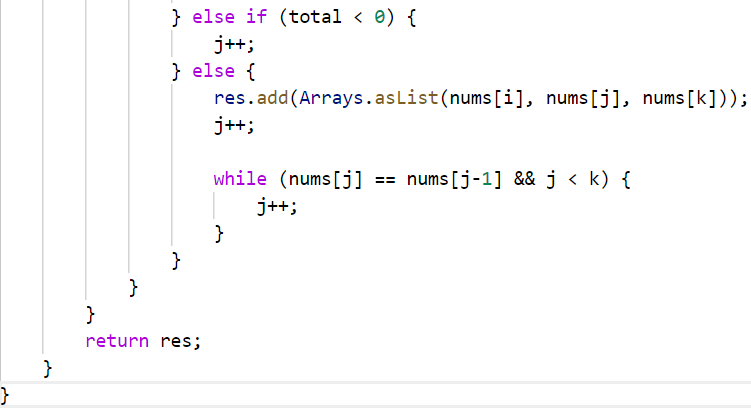
**5)**

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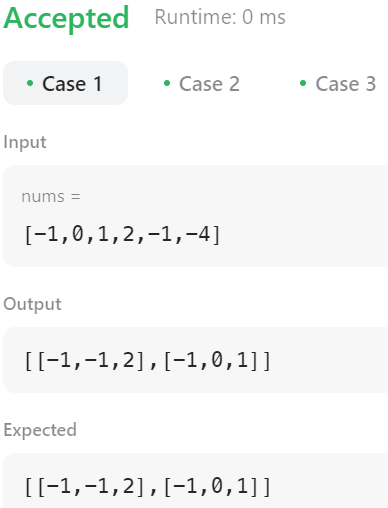
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**SOLUTION**

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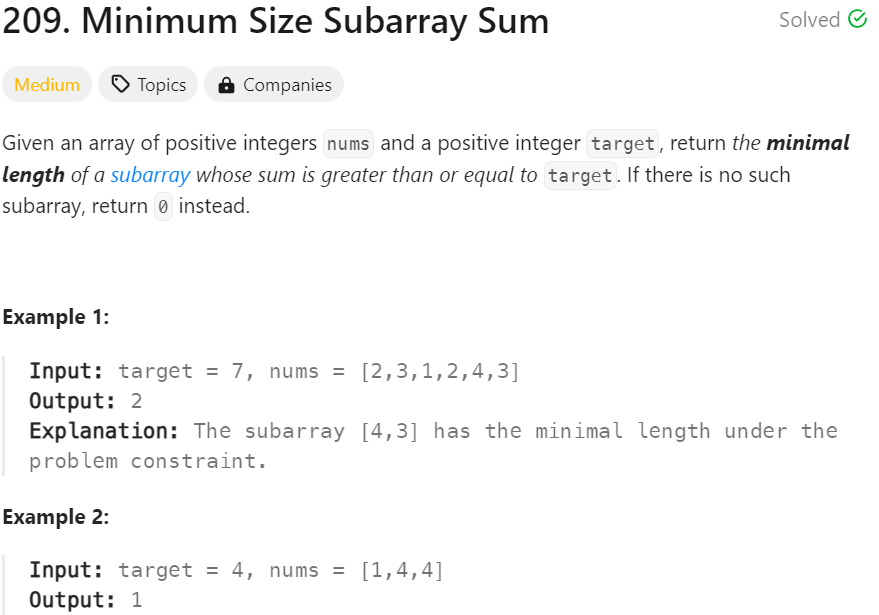
**OUTPUT**

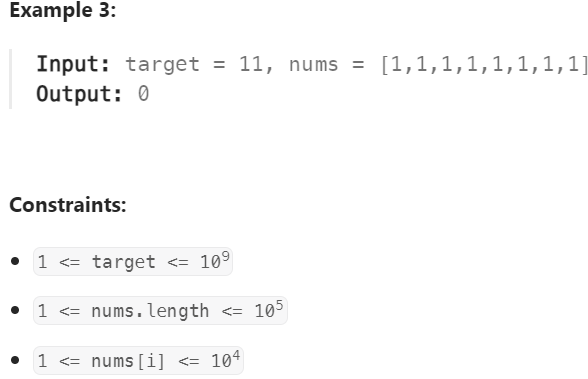
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**TIME COMPLEXITY - O(n²)**

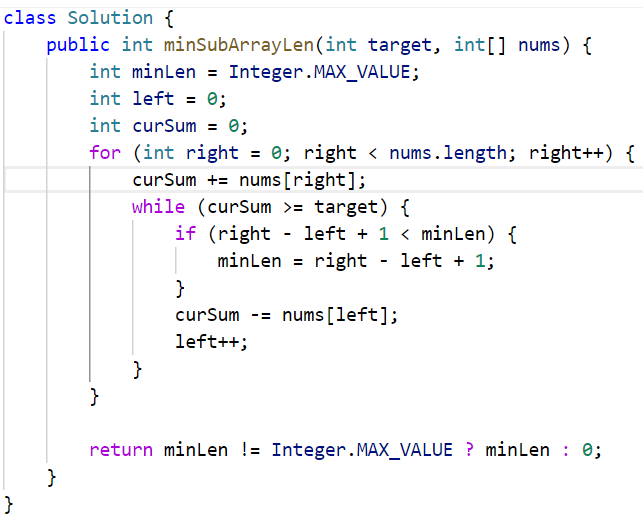
**SLIDING WINDOWS**

**1)**

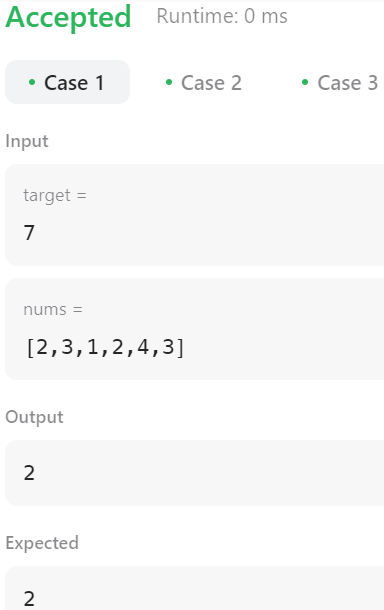
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**SOLUTION**

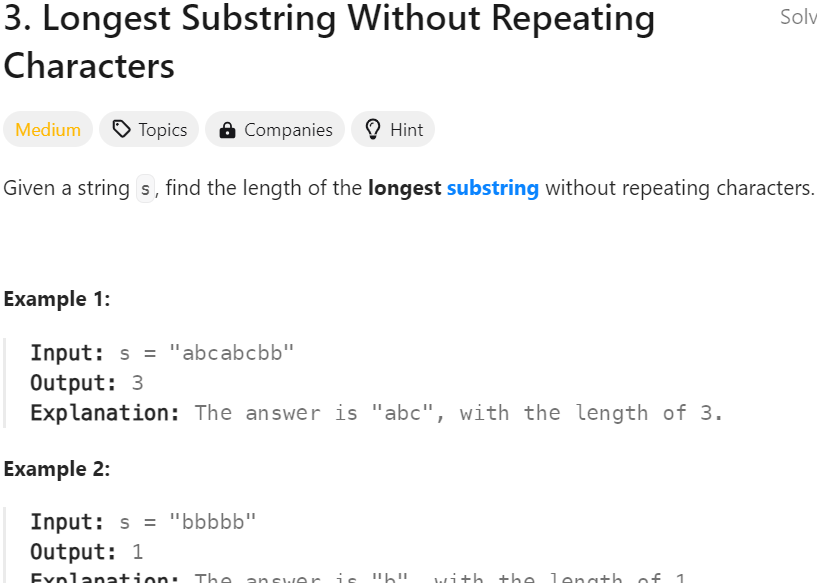
****

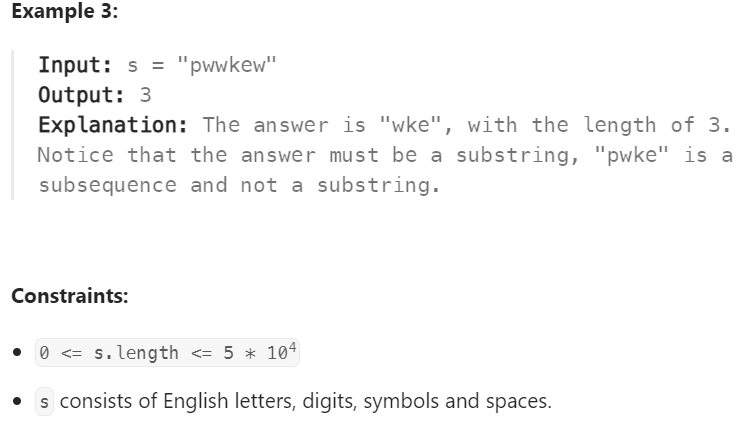
**OUTPUT**

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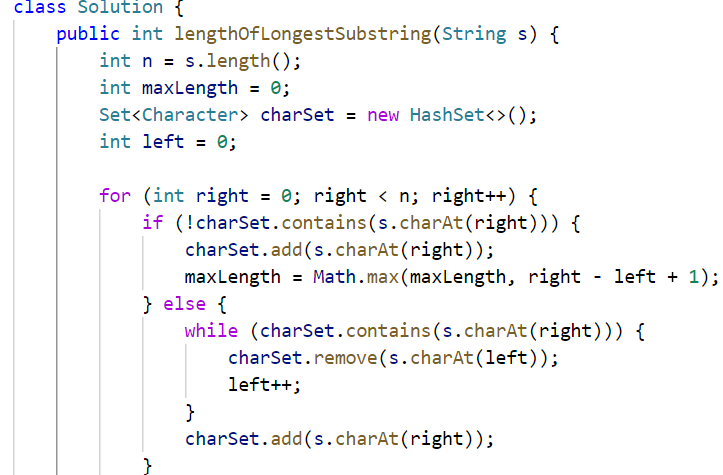
**TIME COMPLEIXITY - O(n)**

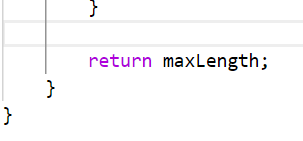
**2)**

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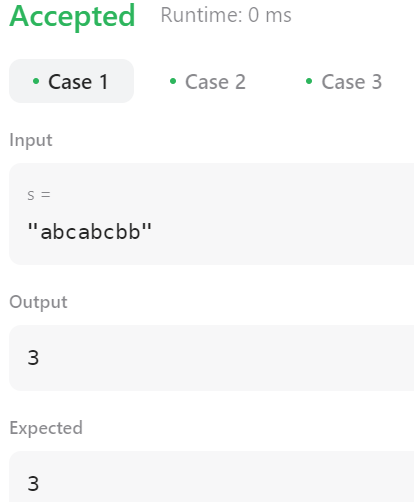
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**SOLUTION**

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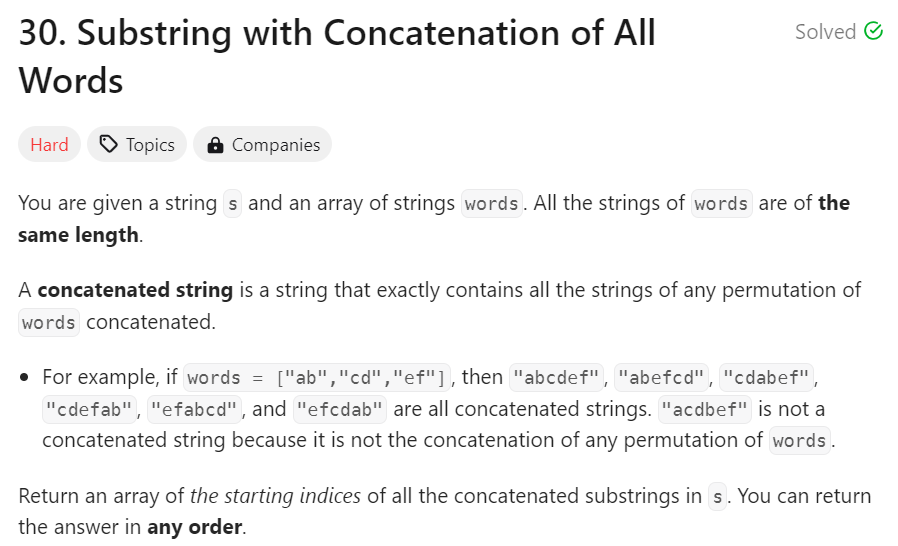
****

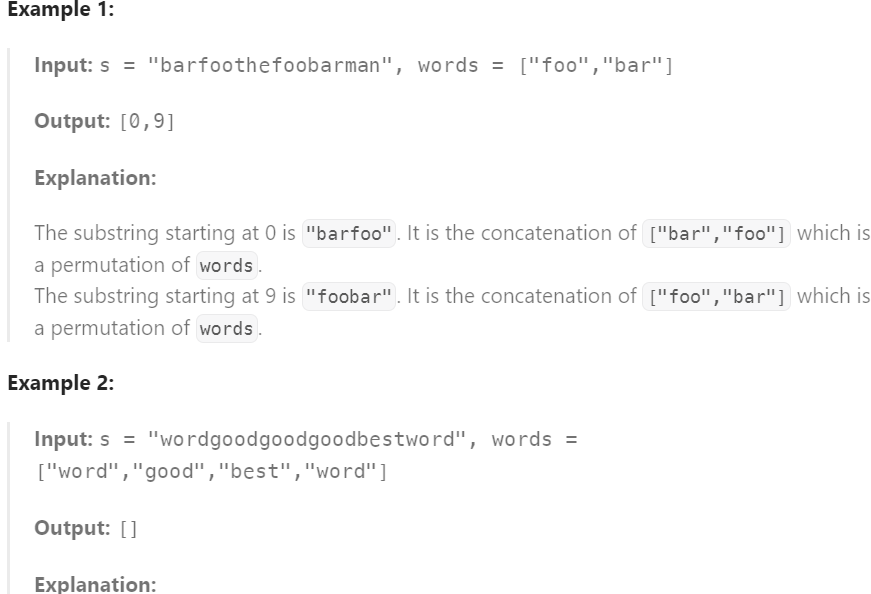
**OUTPUT**

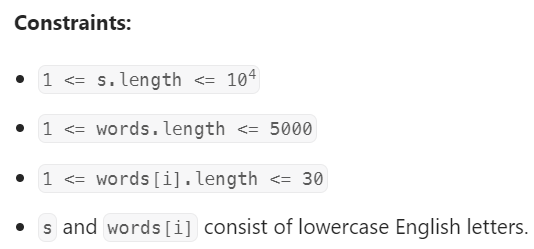
****

**TIME COMPLEXITY - O(n)**

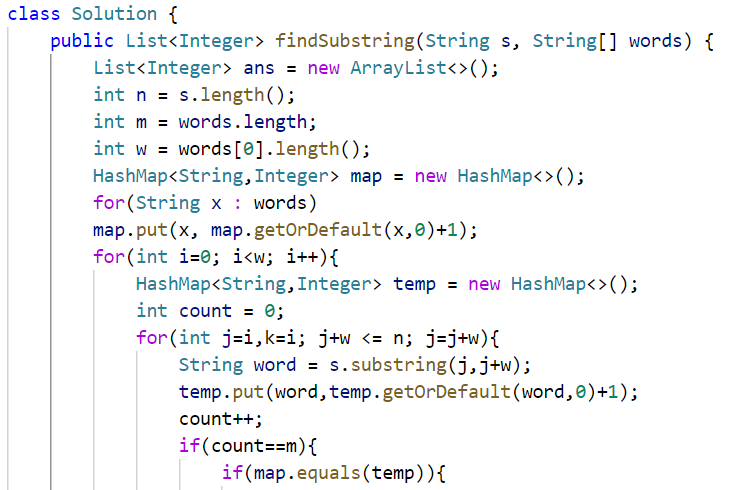
**3)**

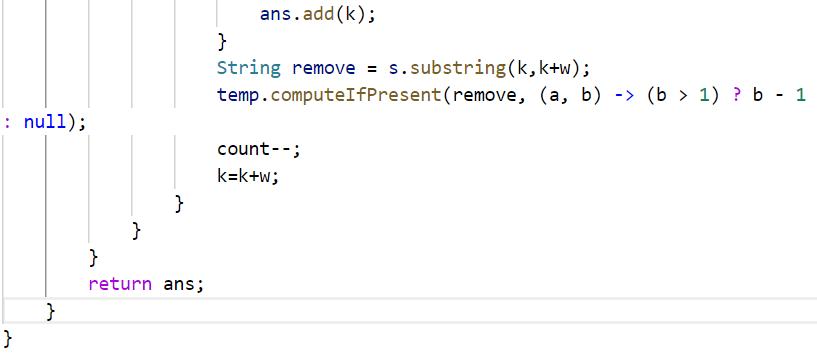
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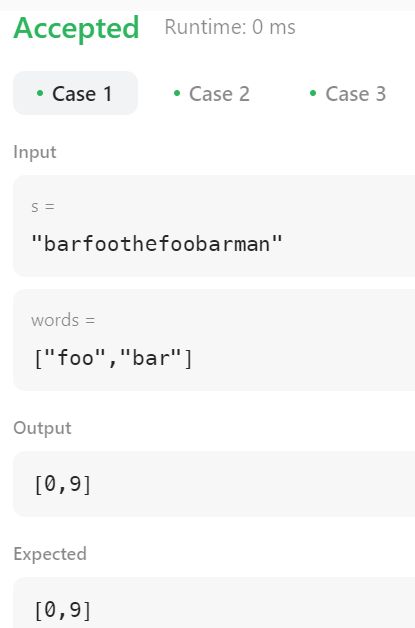
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**SOLUTION**

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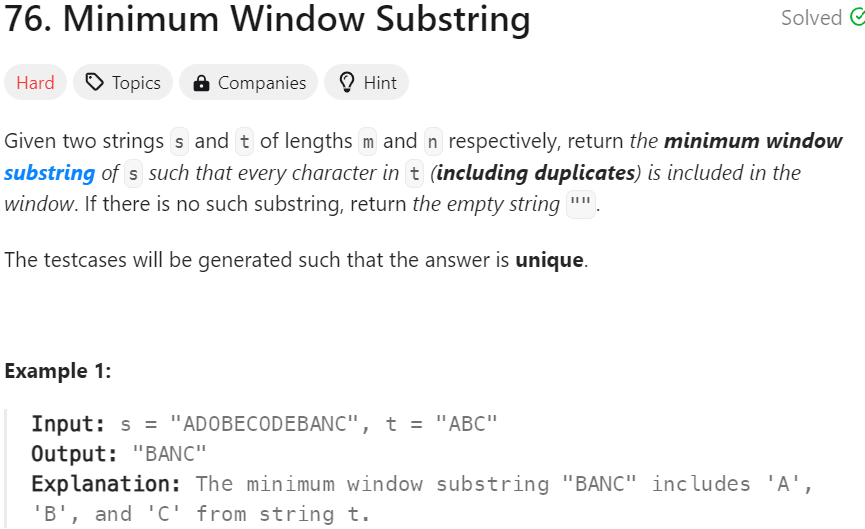
****

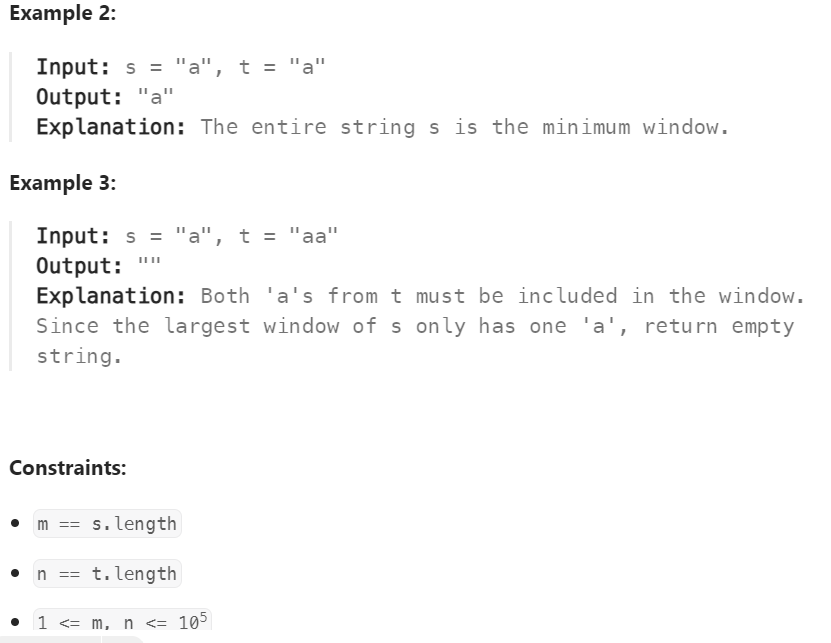
**OUTPUT**

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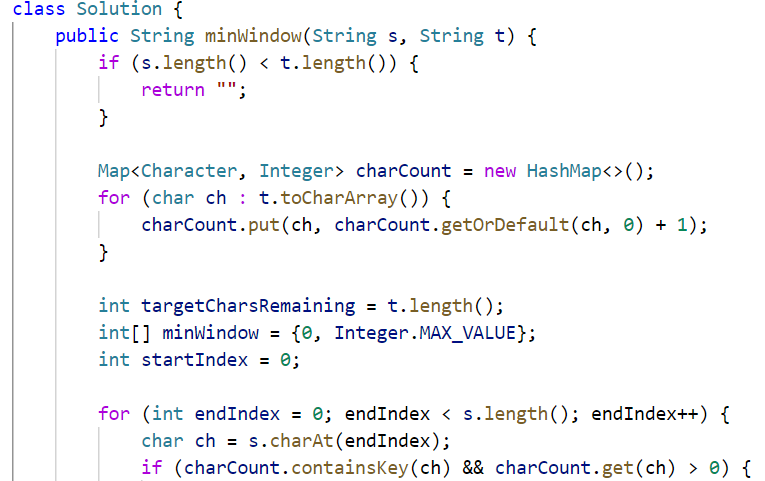
**TIME COMPLEXITY - O(n × m)**

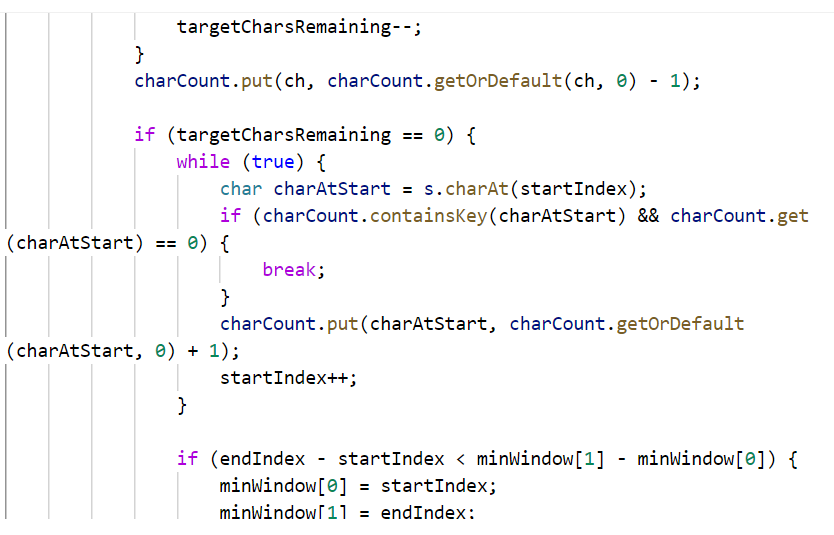
**4)**

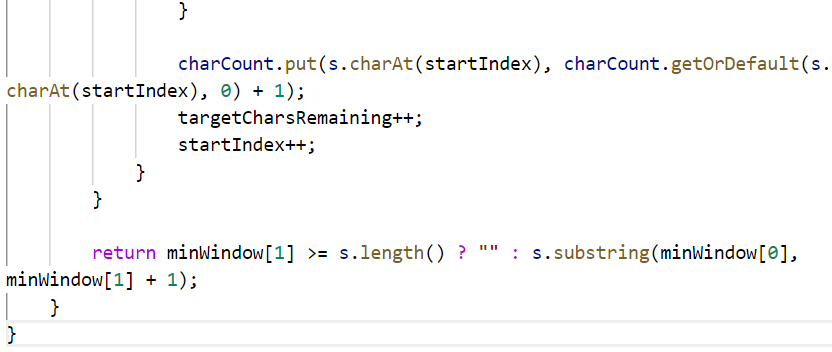
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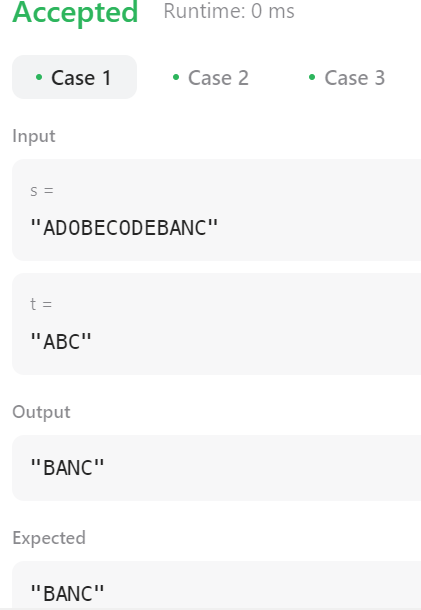
**SOLUTION**

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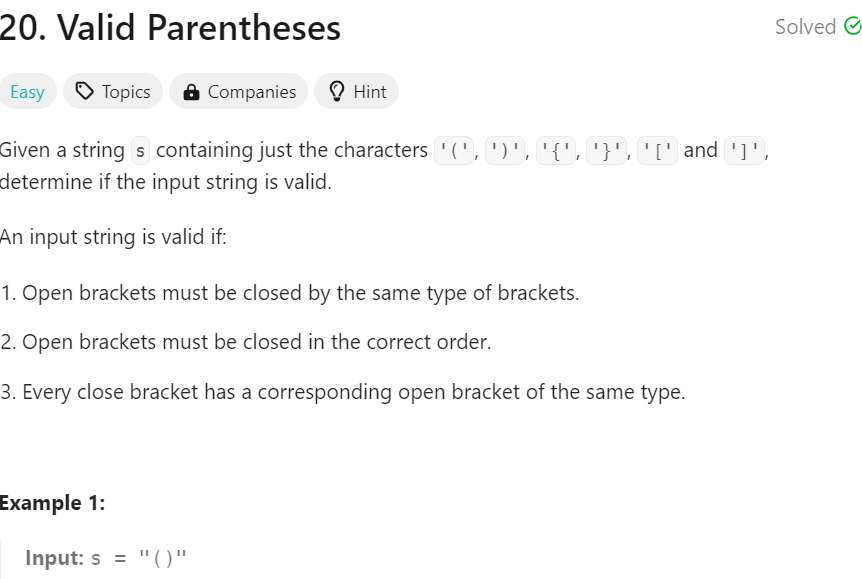
**OUTPUT**

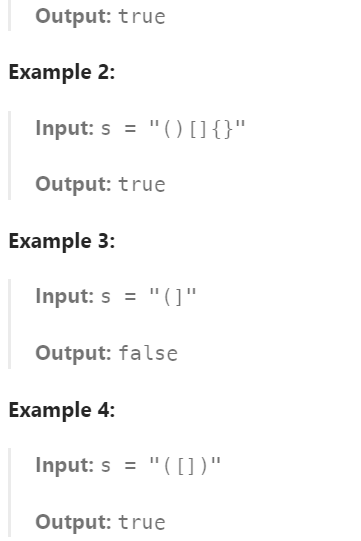
****

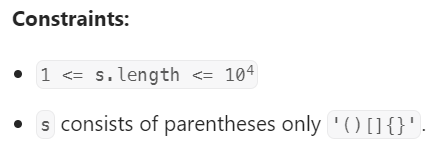
**TIME COMPLEXITY - O(n)**

**STACK**

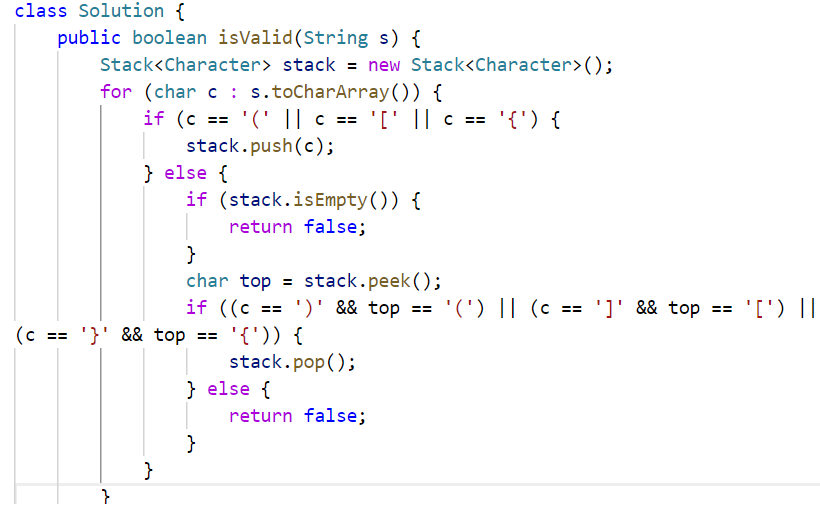
**1)**

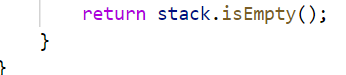
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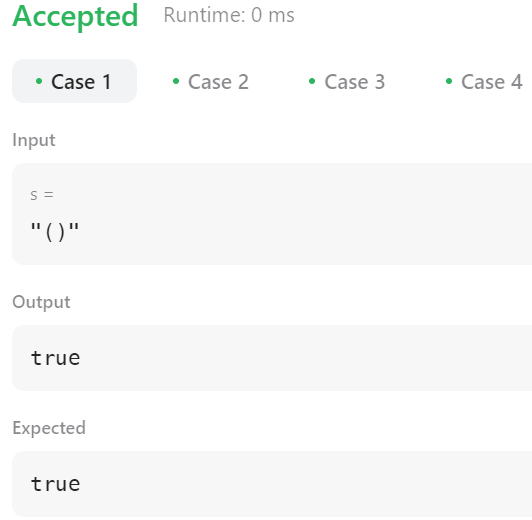
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**SOLUTION**

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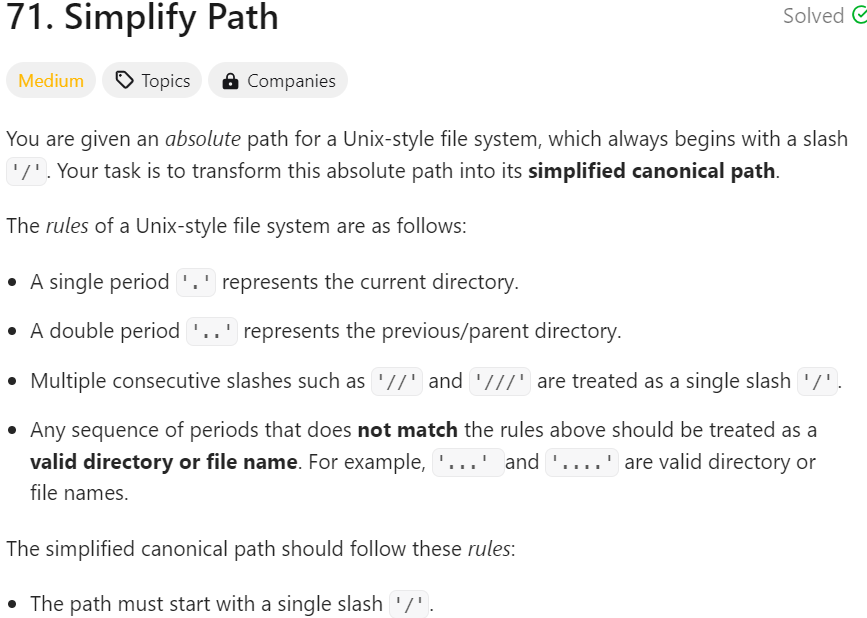
****

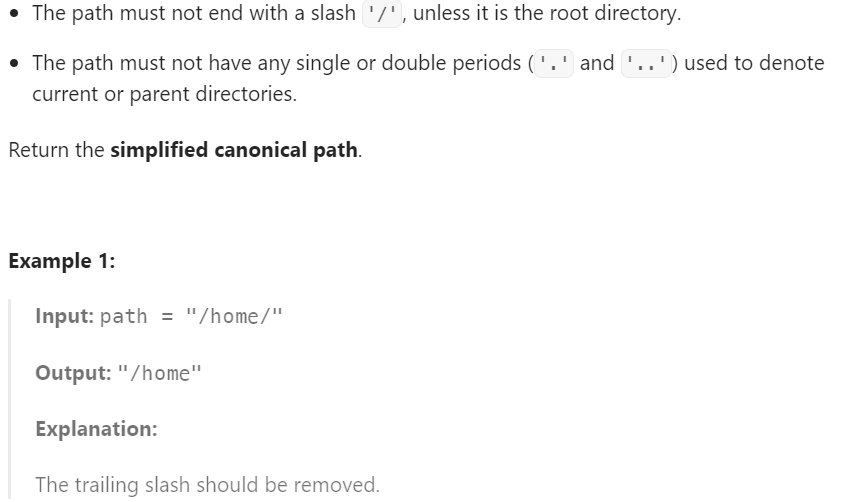
**OUTPUT**

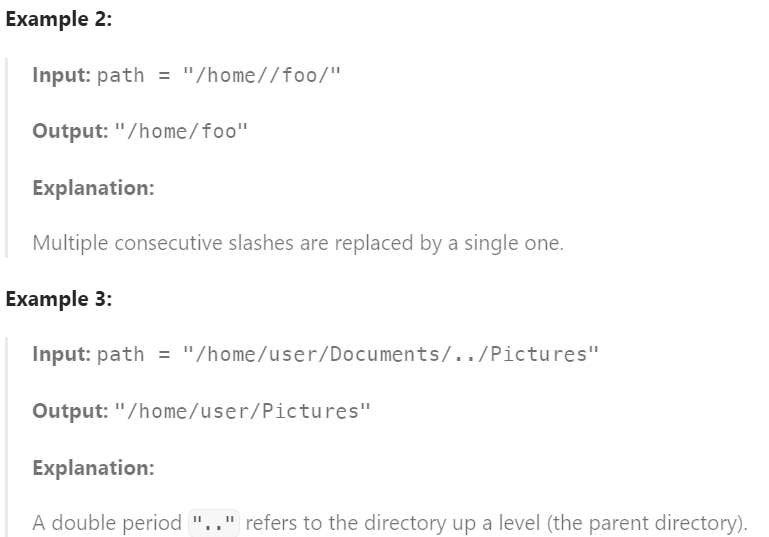
****

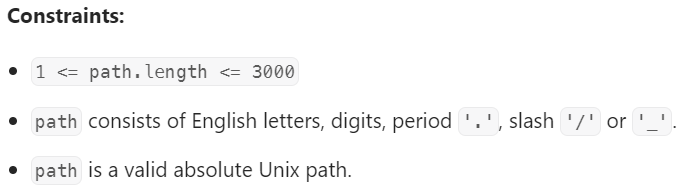
**TIME COMPLEXITY - O(n)**

**2)**

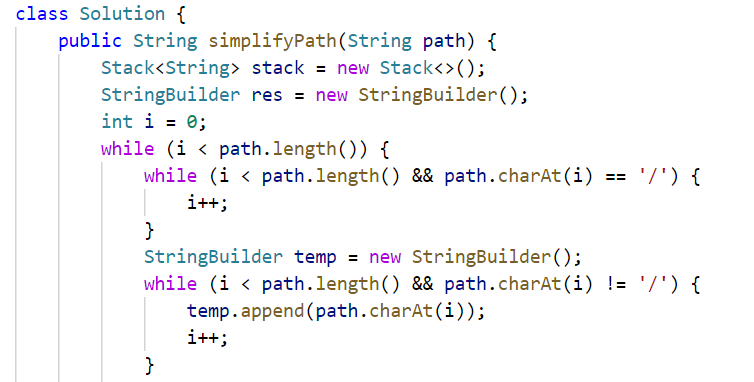
****

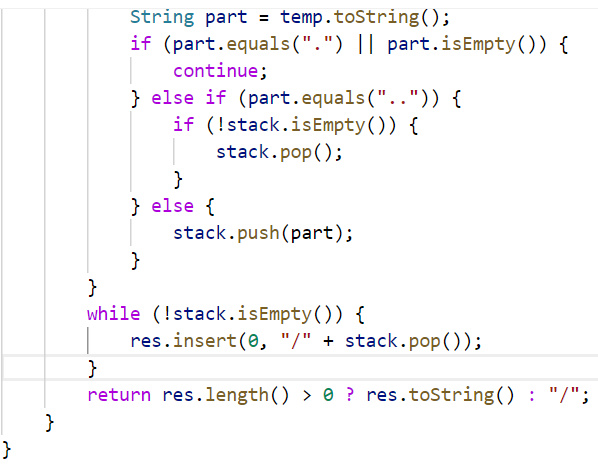
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**SOLUTION**

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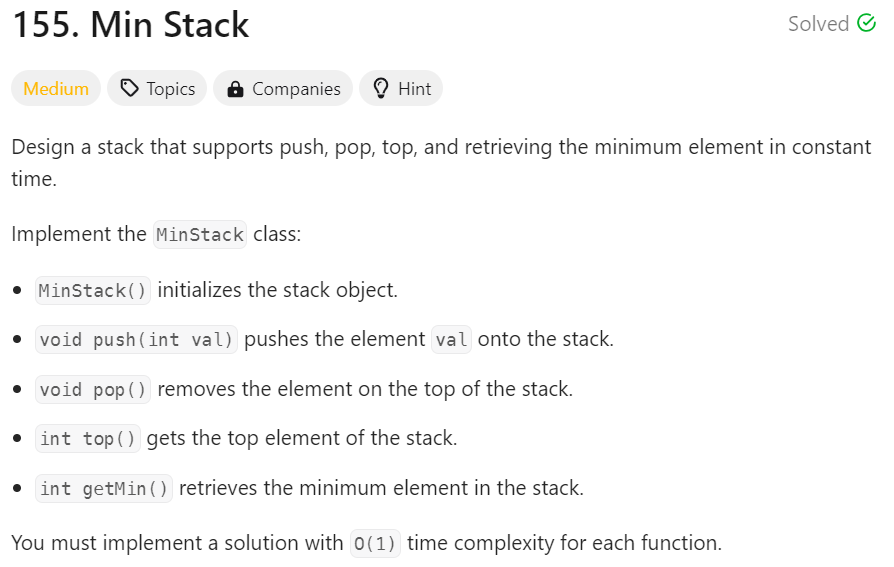
****

**OUTPUT**

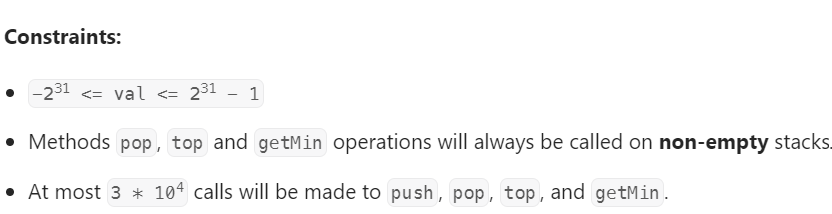
****

**TIME COMPLEXITY - O(n)**

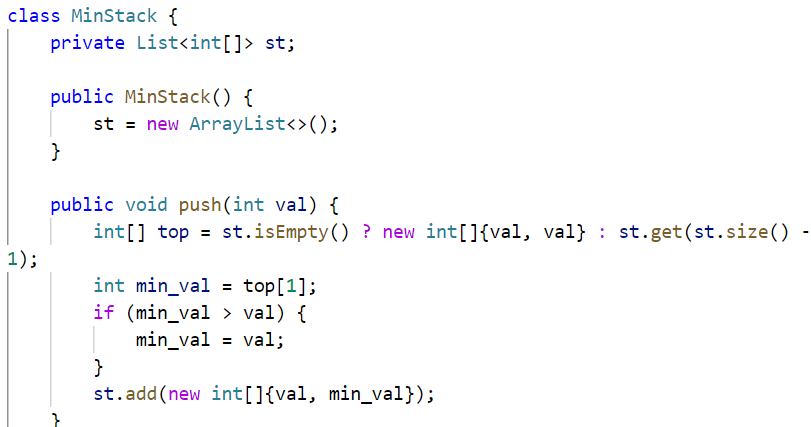
**3)**

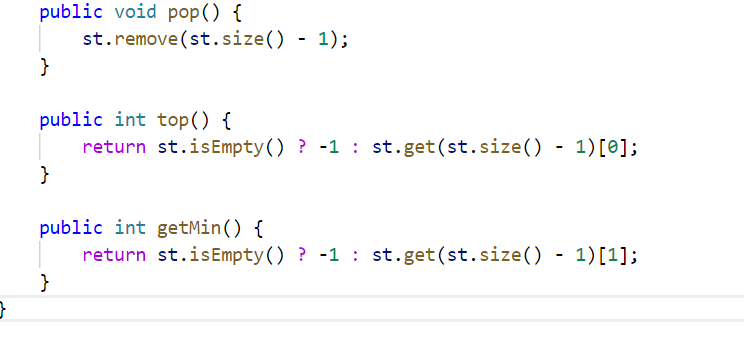
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****

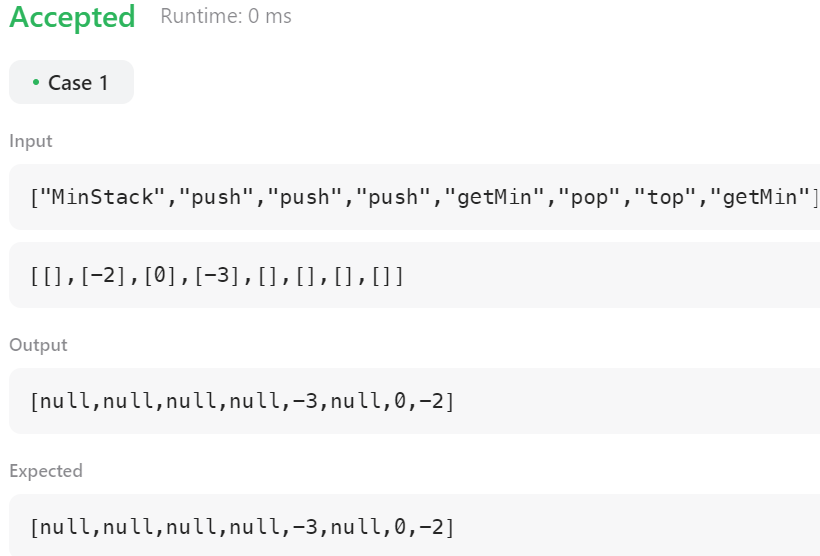
****

**SOLUTION**

****

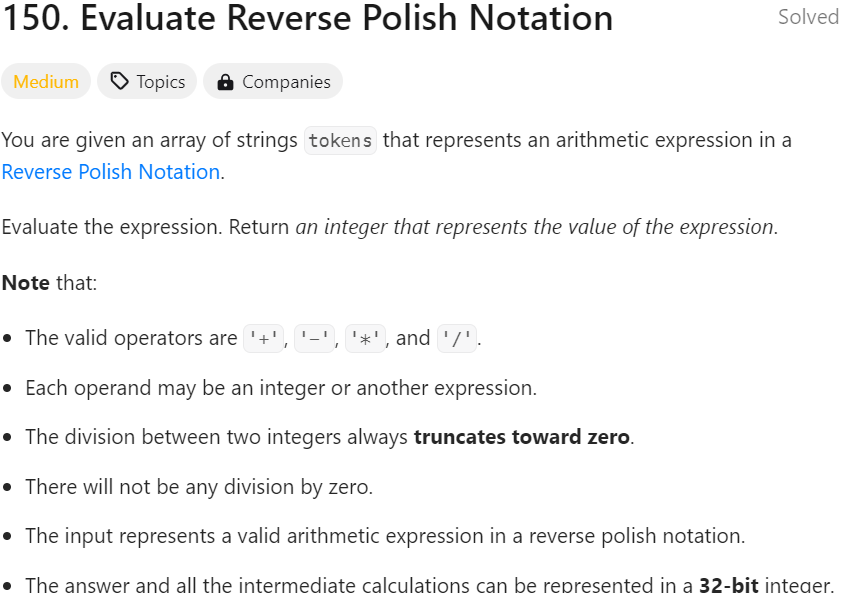
****

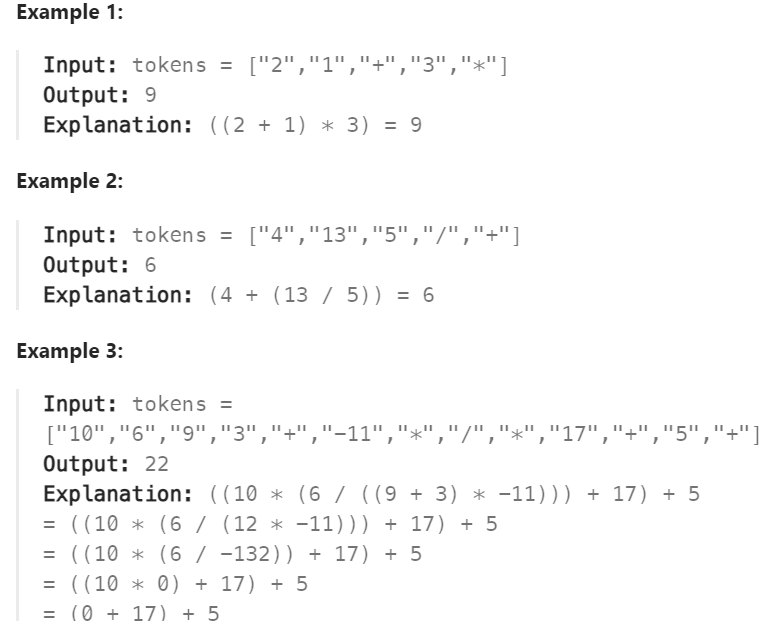
**OUTPUT**

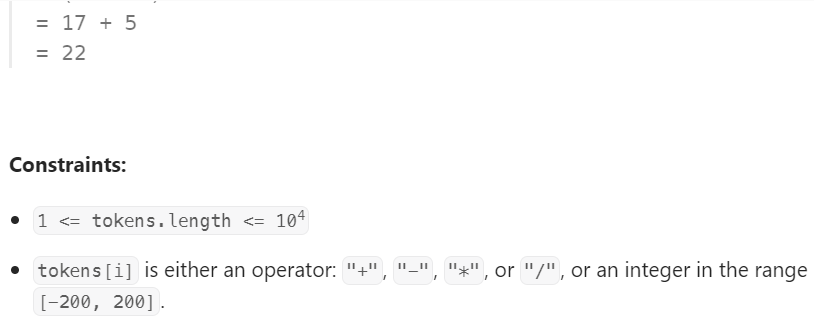
****

**TIME COMPLEXITY - O(1)**

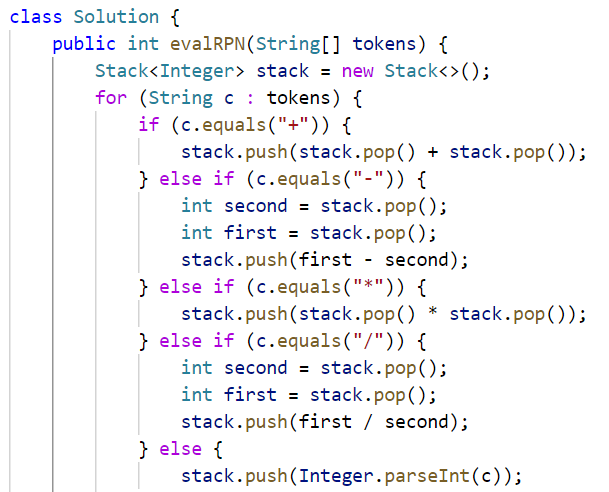
**4)**

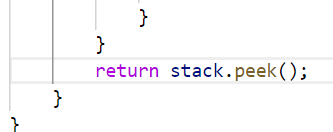
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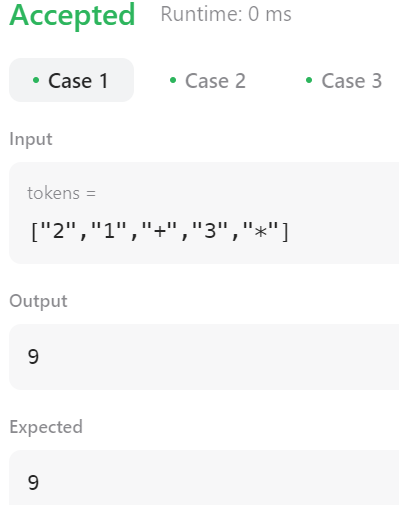
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**SOLUTION**

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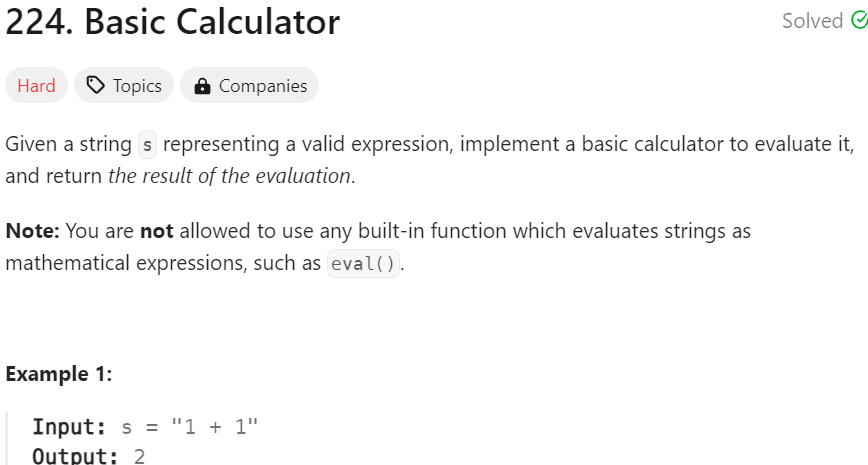
****

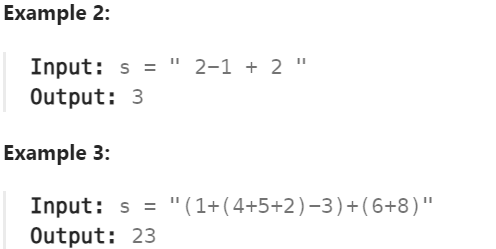
**OUTPUT**

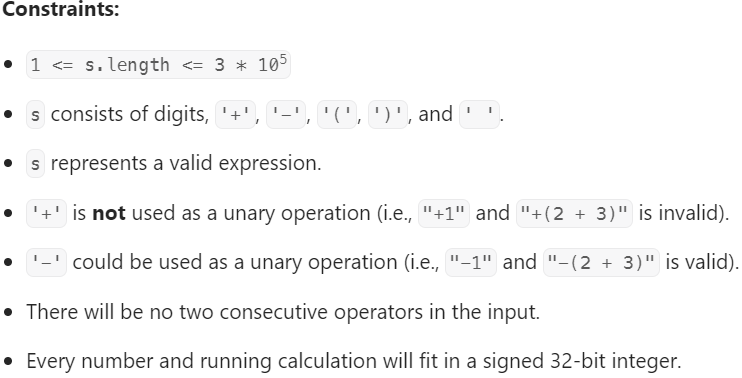
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**TIME COMPLEXITY - O(n)**

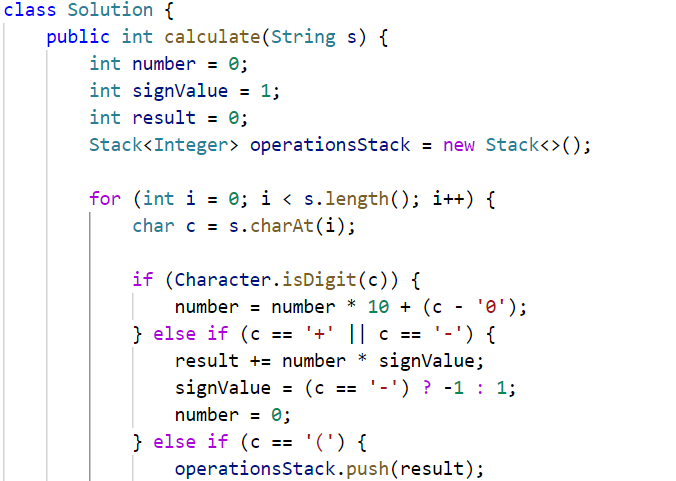
**5)**

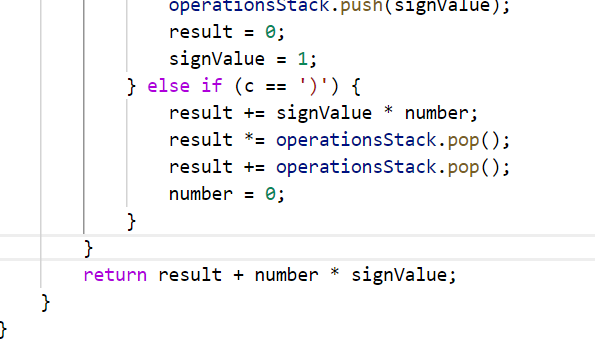
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**SOLUTION**

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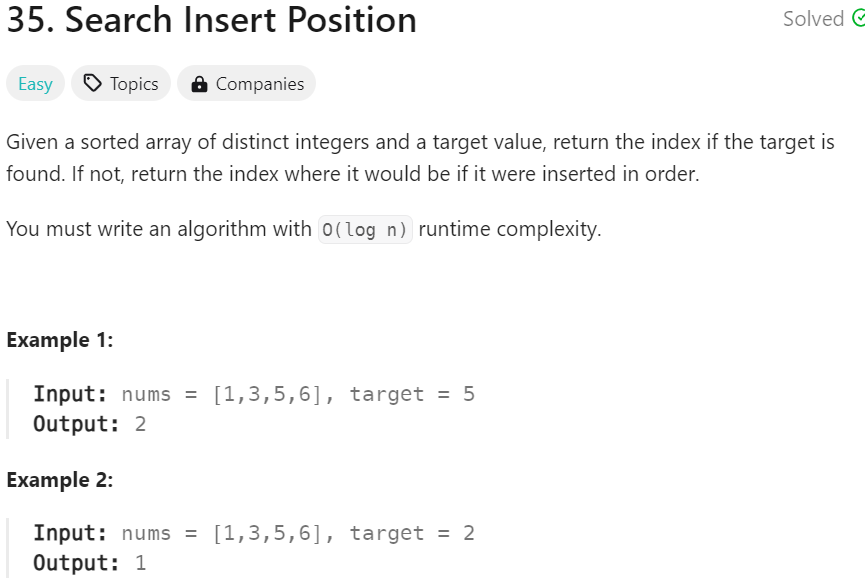
**OUTPUT**

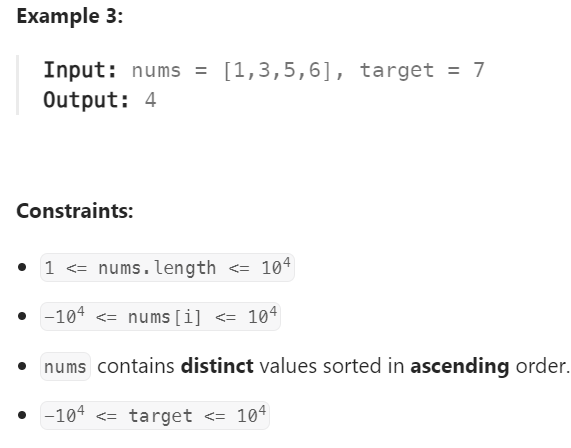
****

**TIME COMPLEXITY - O(n)**

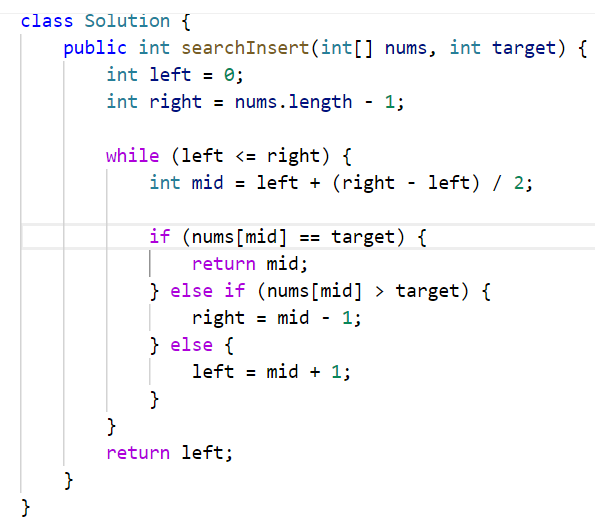
**BINARY SEARCH**

**1)**

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**SOLUTION**

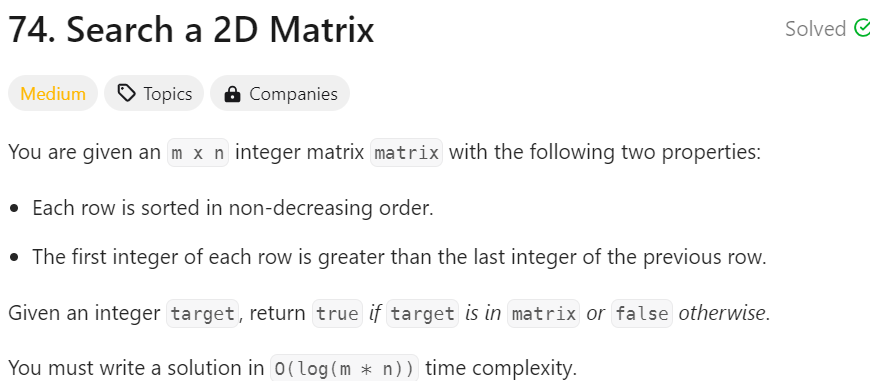
****

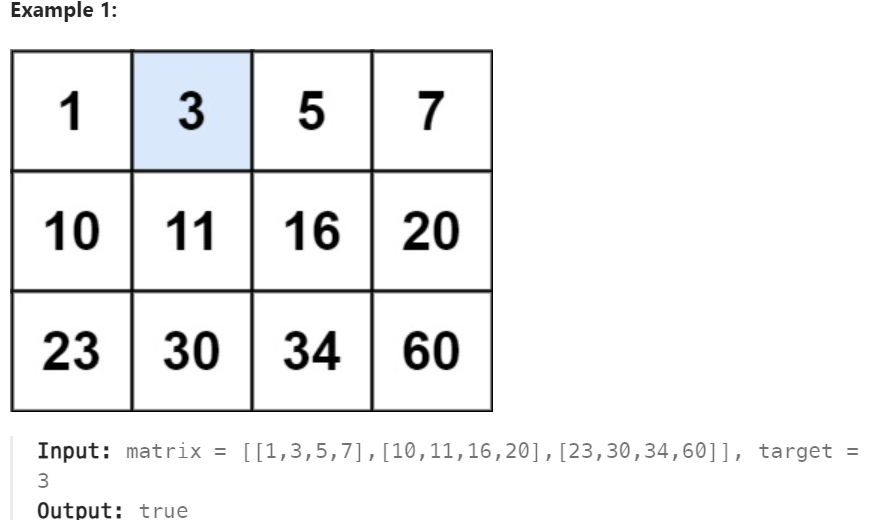
**OUTPUT**

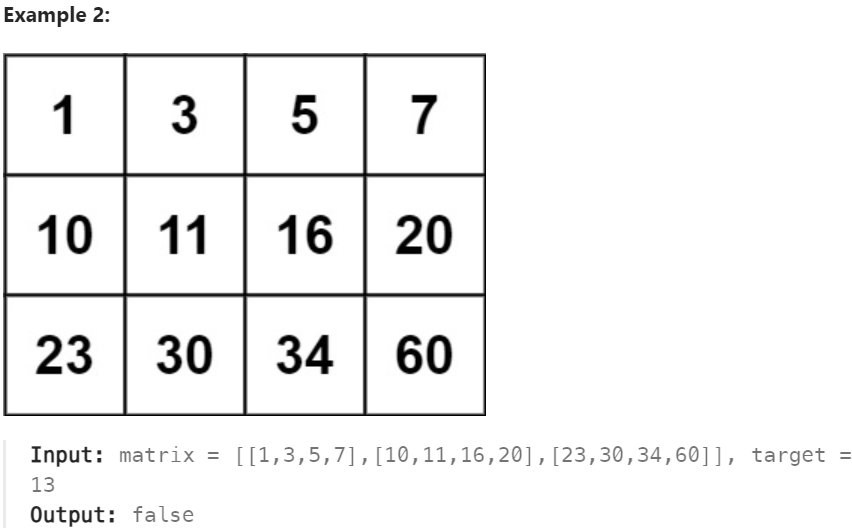
****

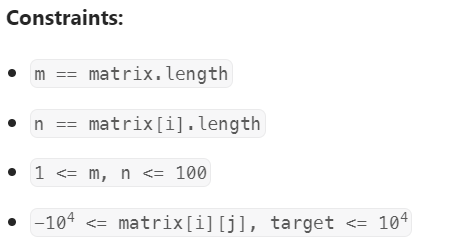
**TIME COMPLEXITY - O(log n)**

**2)**

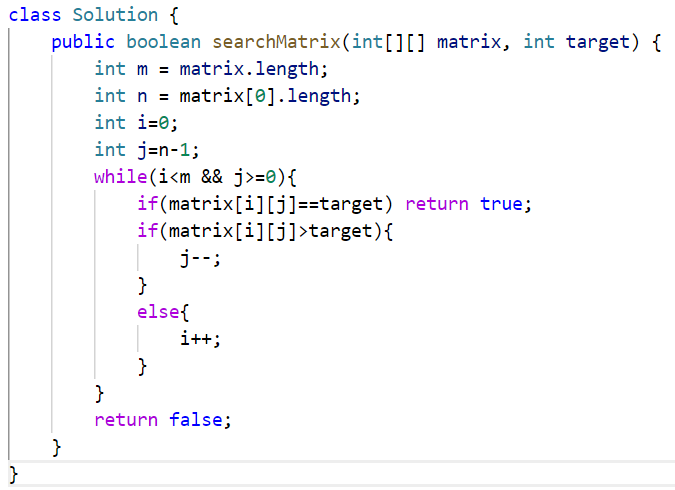
****

****

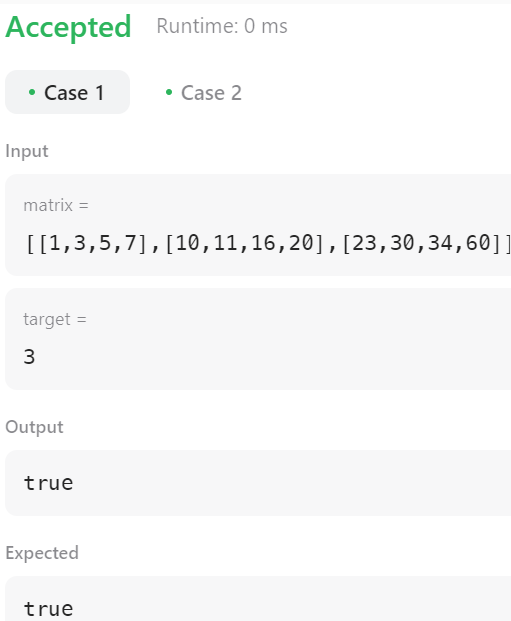
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**SOLUTION**

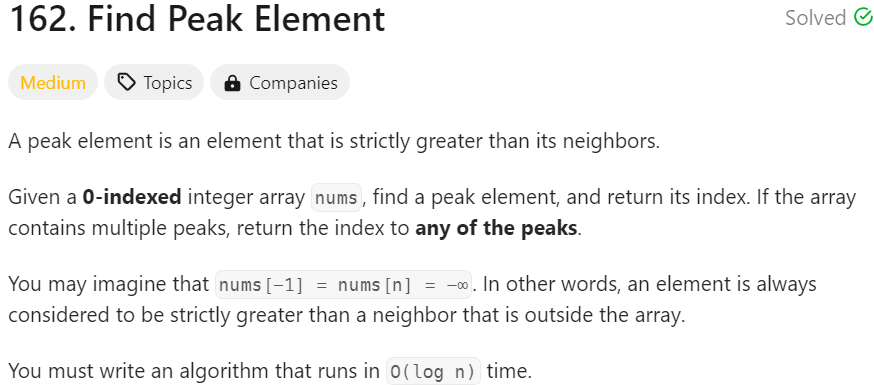
****

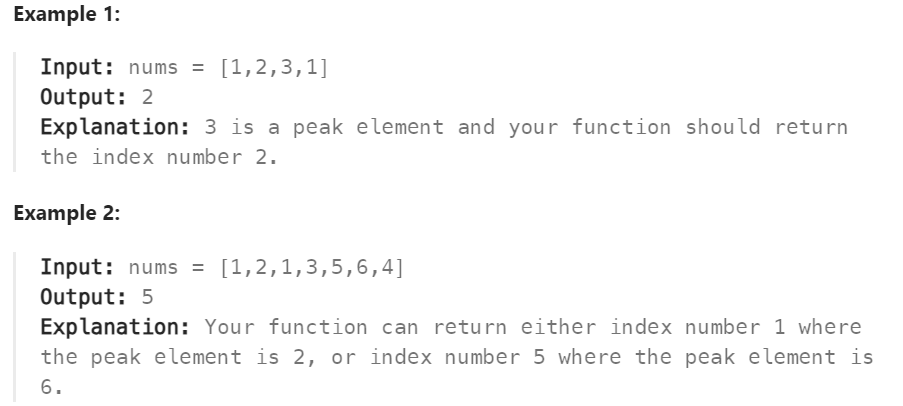
**OUTPUT**

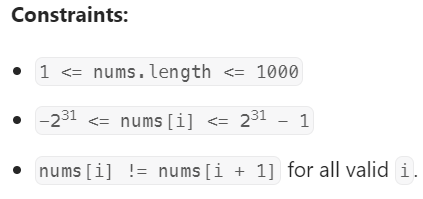
****

**TIME COMPLEXITY - O(m+n)**

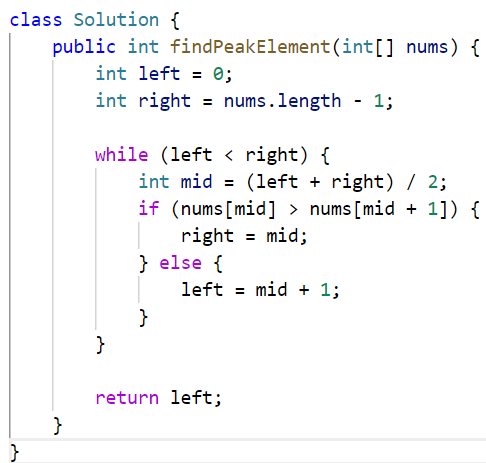
**3)**

****

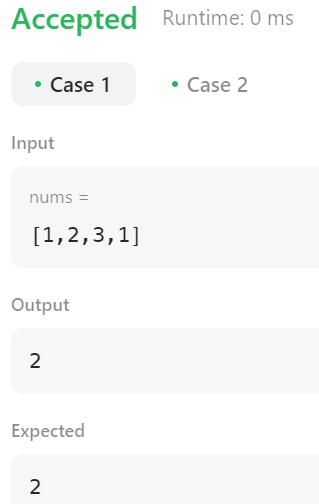
****

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**SOLUTION**

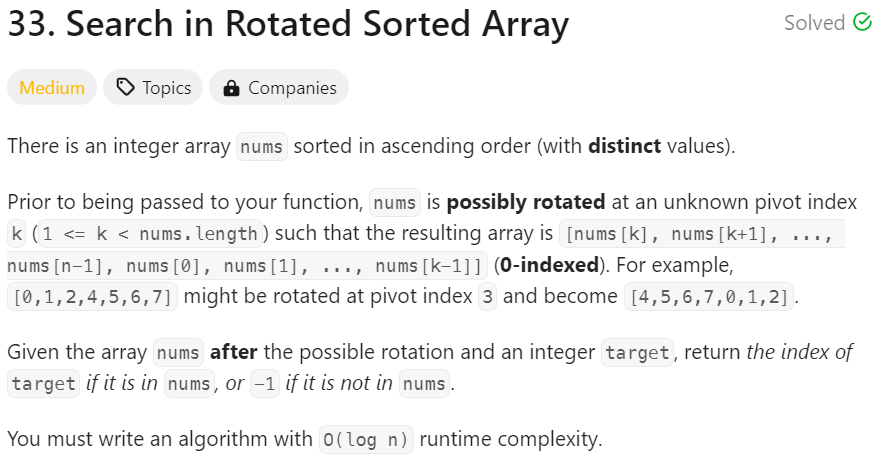
****

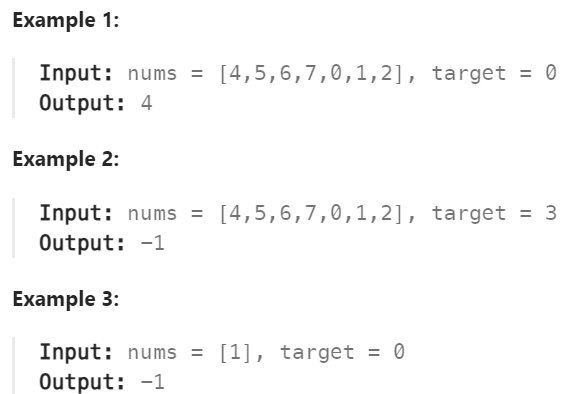
**OUTPUT**

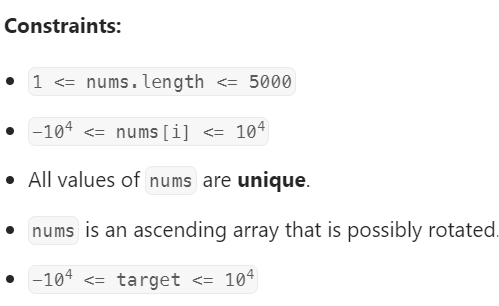
****

**TIME COMPLEXITY - O(log n)**

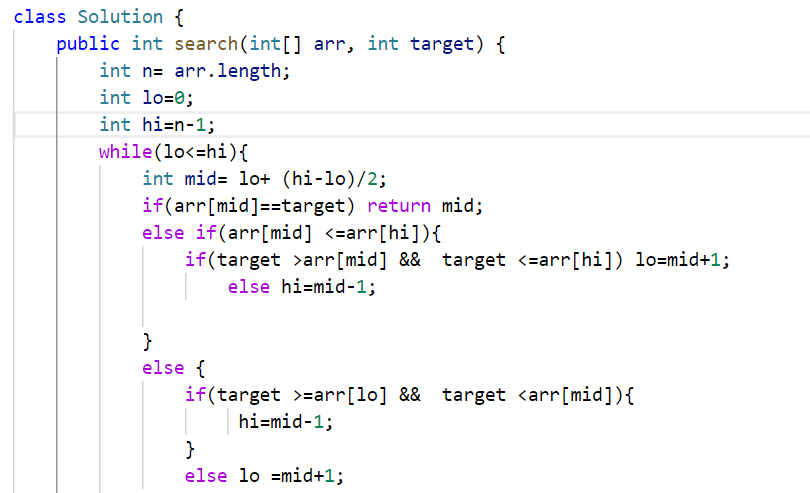
**4)**

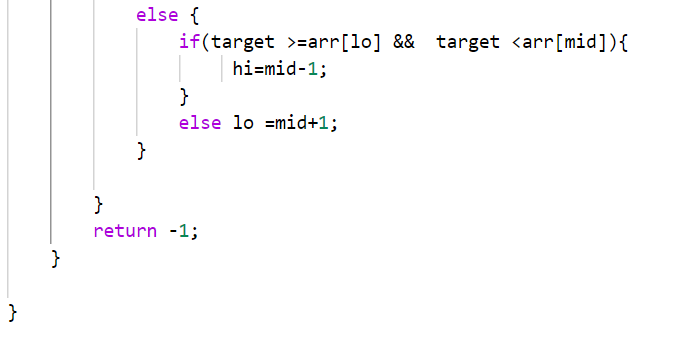
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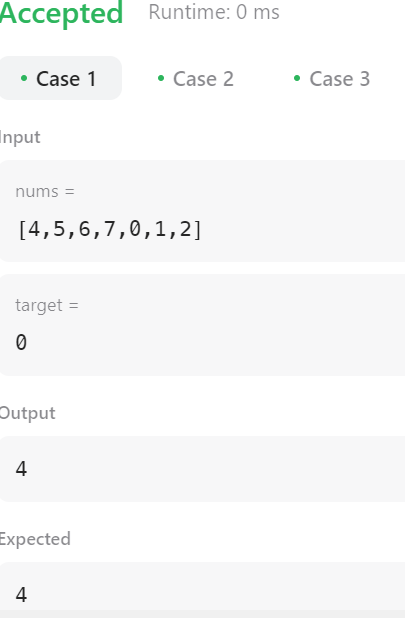
****

**SOLUTION**

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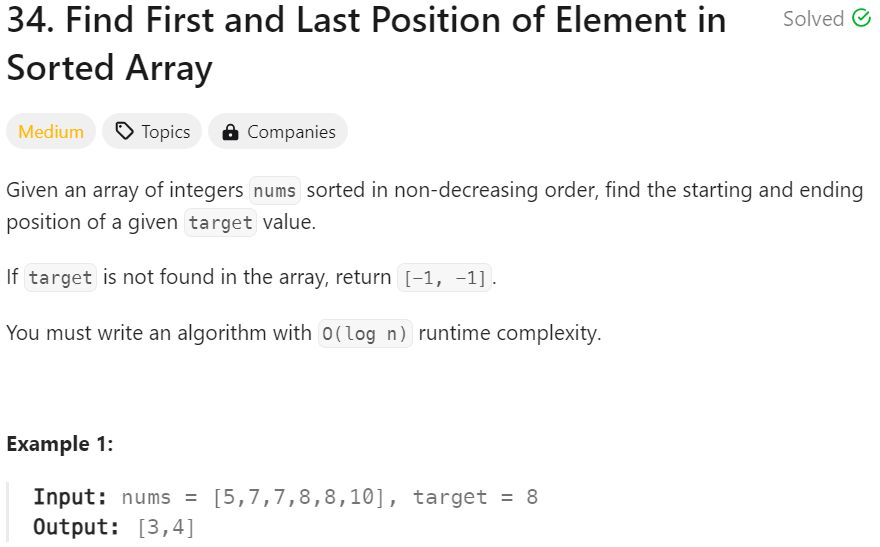
****

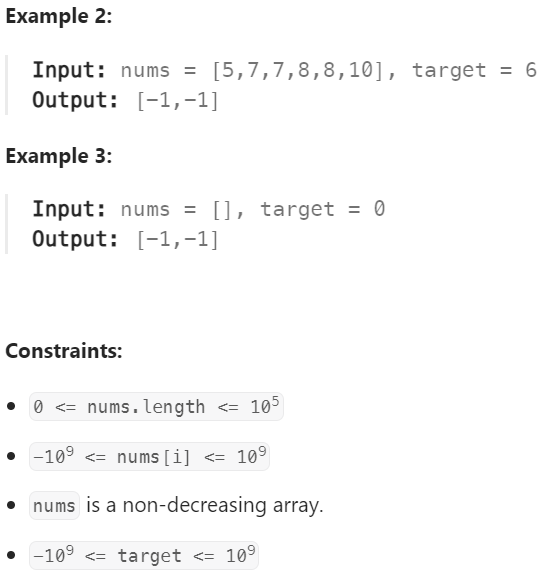
**OUTPUT**

****

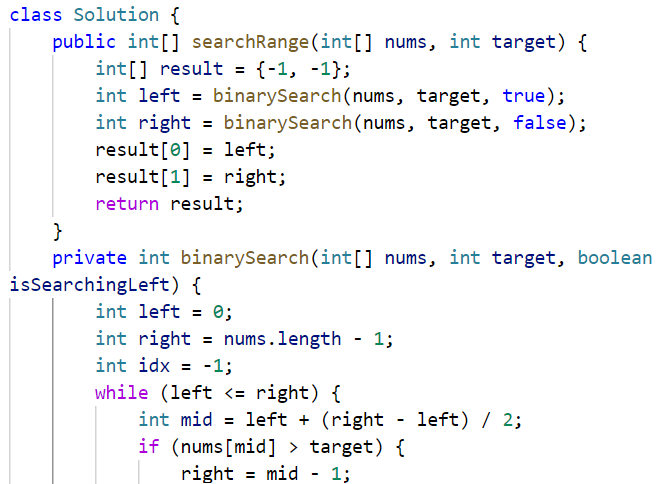
**TIME COMPLEXITY - O(logn)**

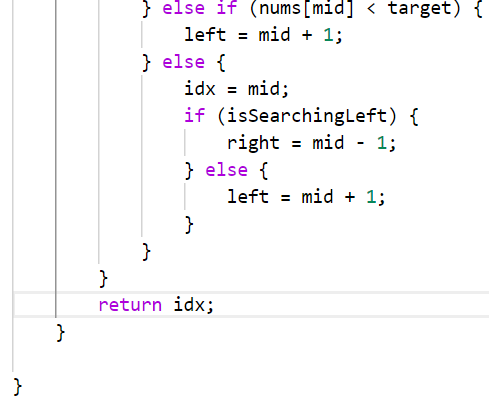
**5)**

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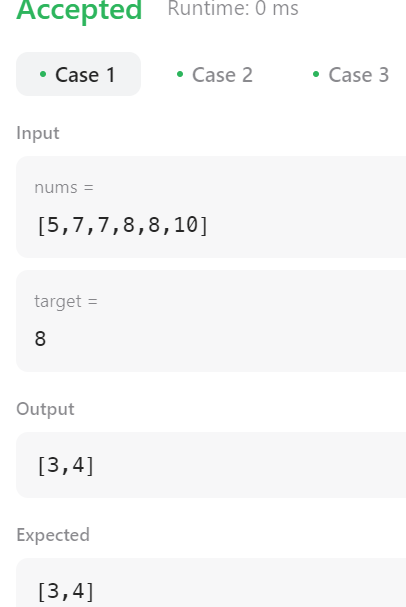
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**SOLUTION**

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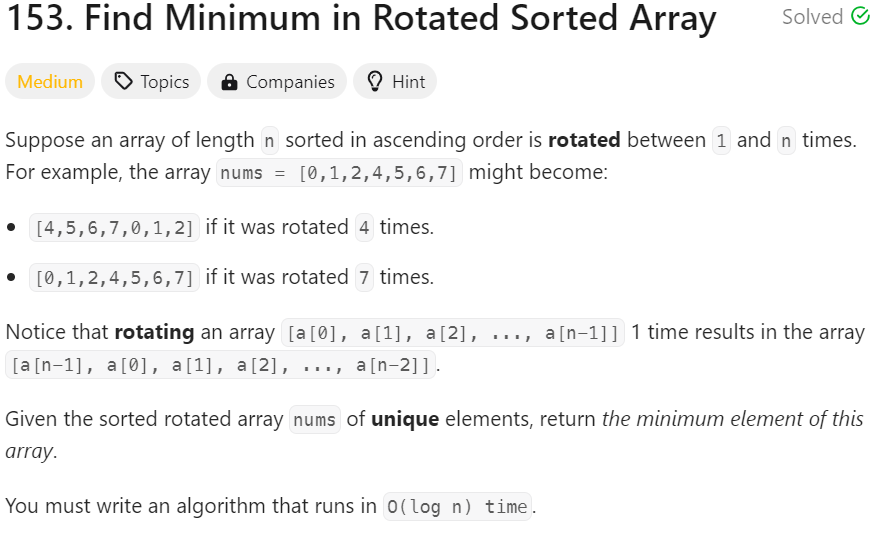
****

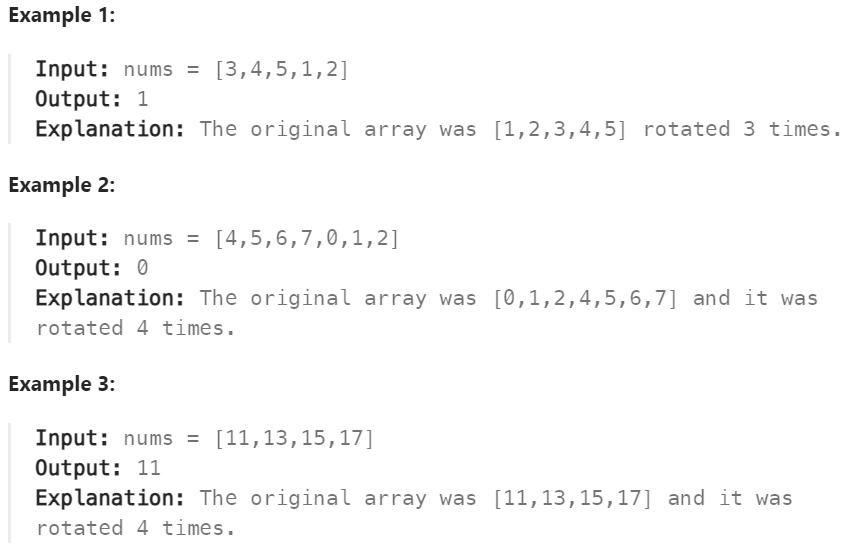
**OUTPUT**

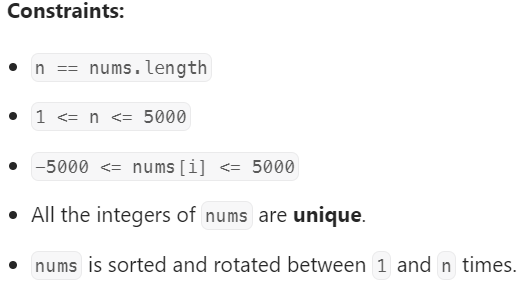
****

**TIME COMPLEXITY - O(log n)**

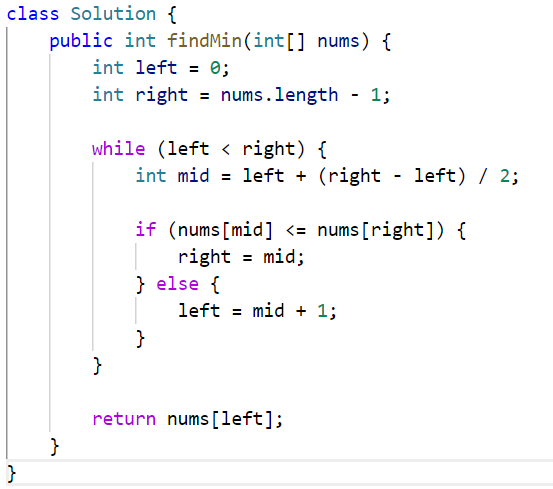
**6)**

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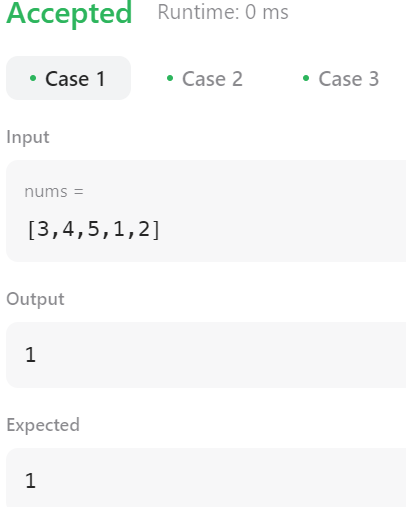
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**SOLUTION**

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**OUTPUT**

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**TIME COMPLEXITY - O(log n)**