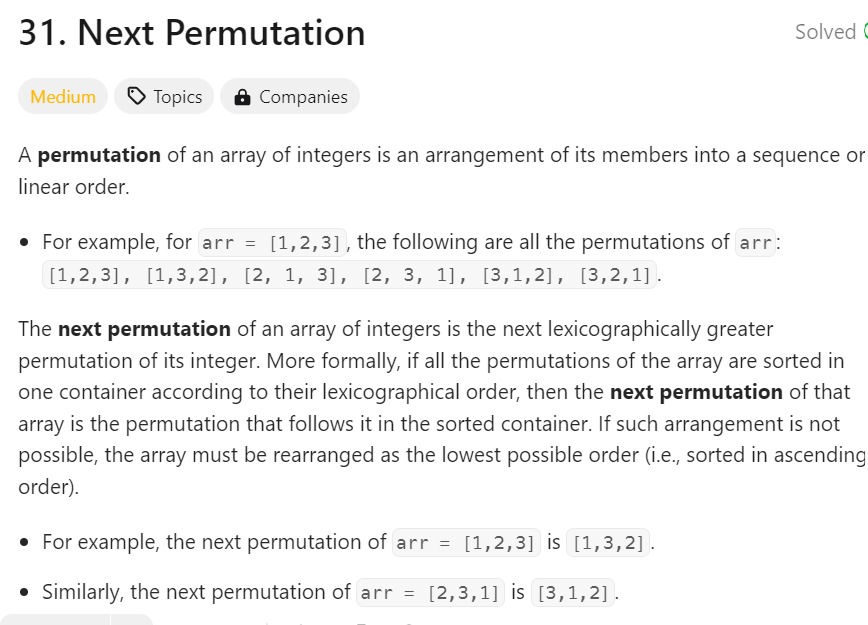
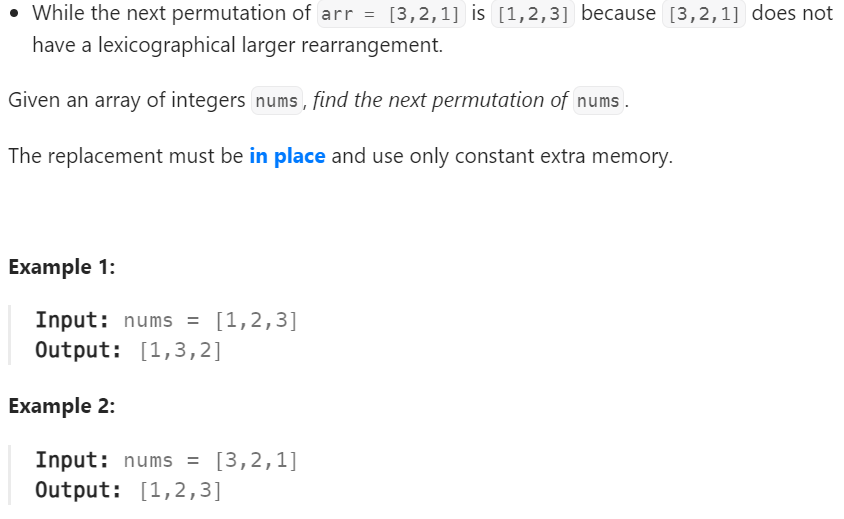
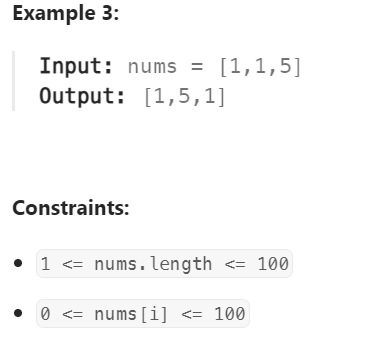
**19/11/2024 PRACTICE PROBLEM FIZA THASHIN A(AI&DS)**

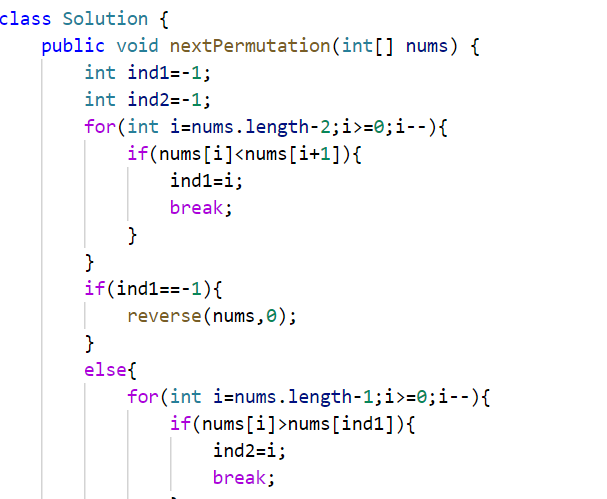
**1)**

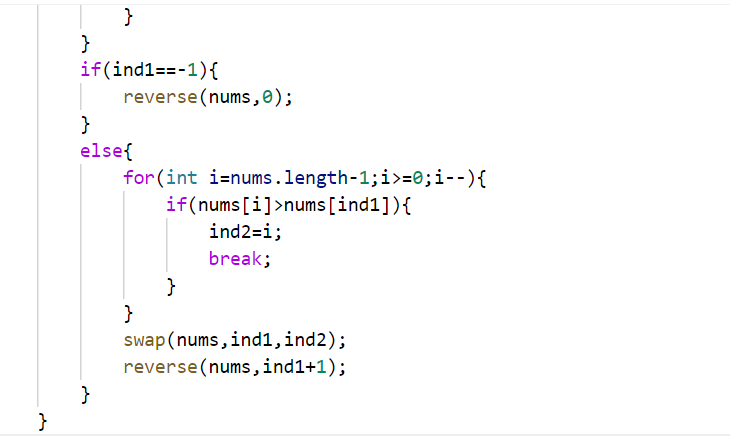
****

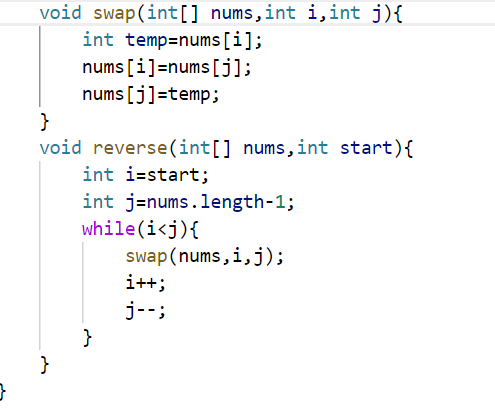
****

****

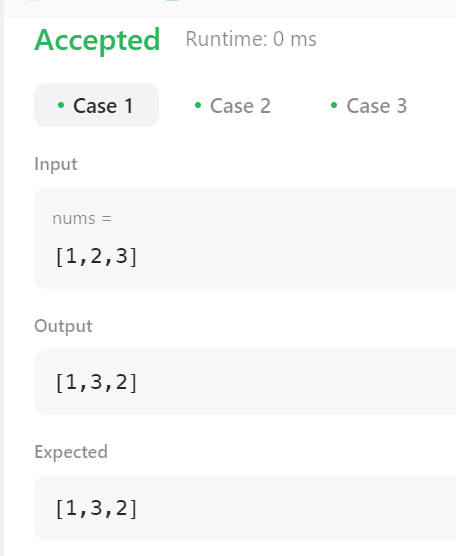
**SOLUTION**

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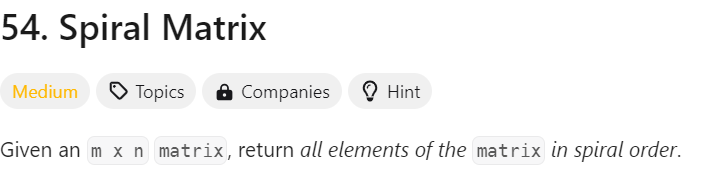
****

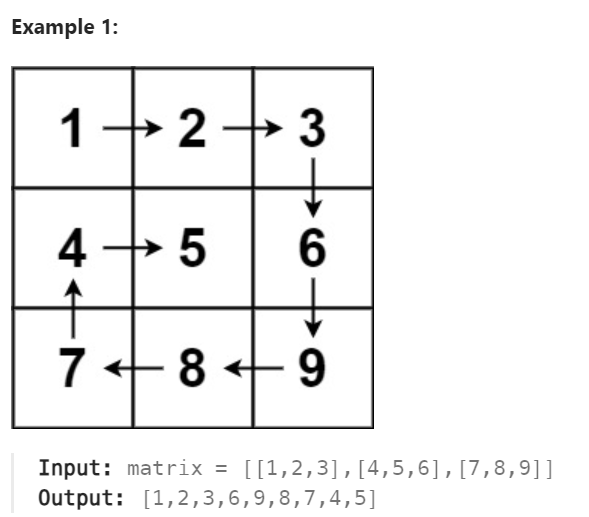
**OUTPUT**

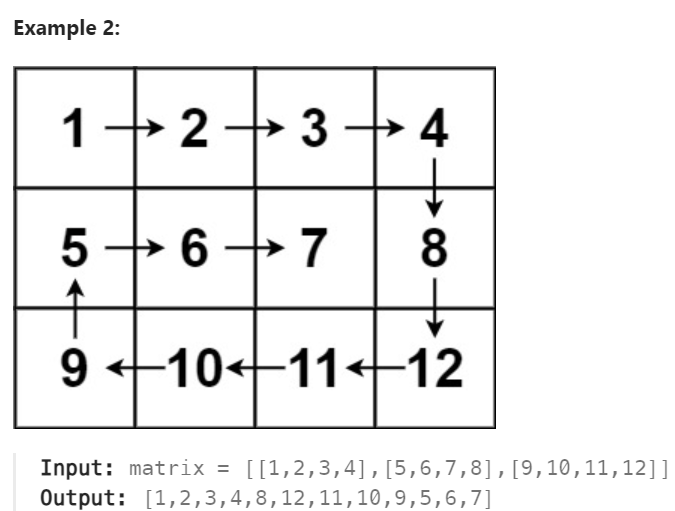
****

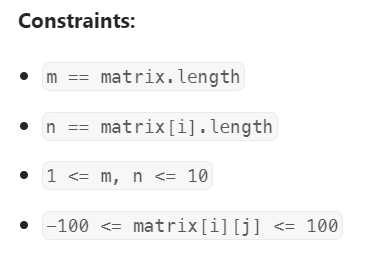
**TIME COMPLEXITY - O(n)**

**2)**

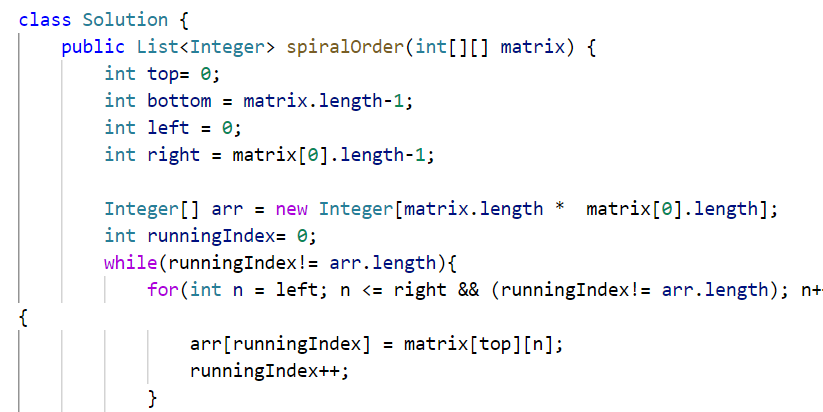
****

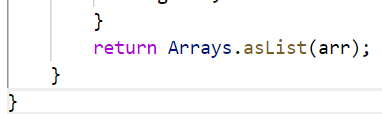
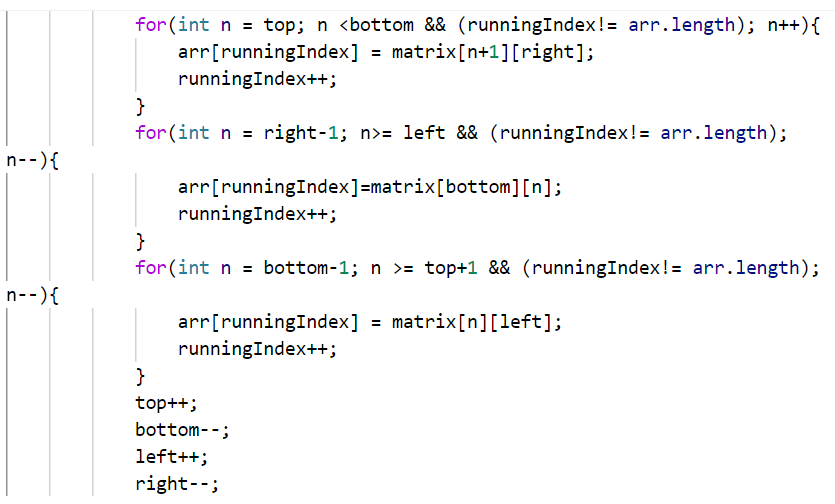
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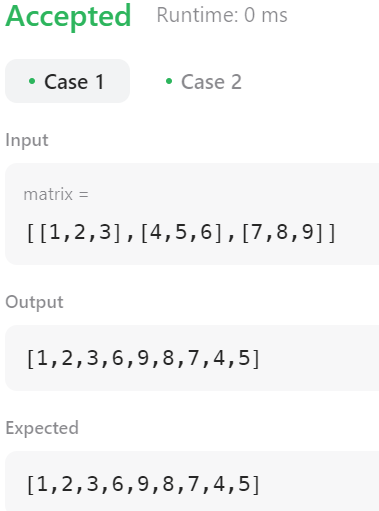
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**SOLUTION**

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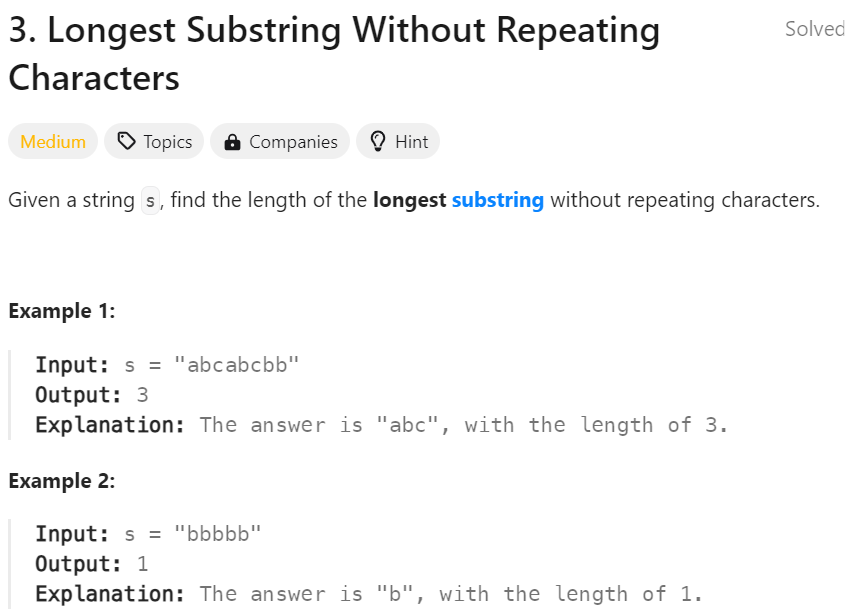
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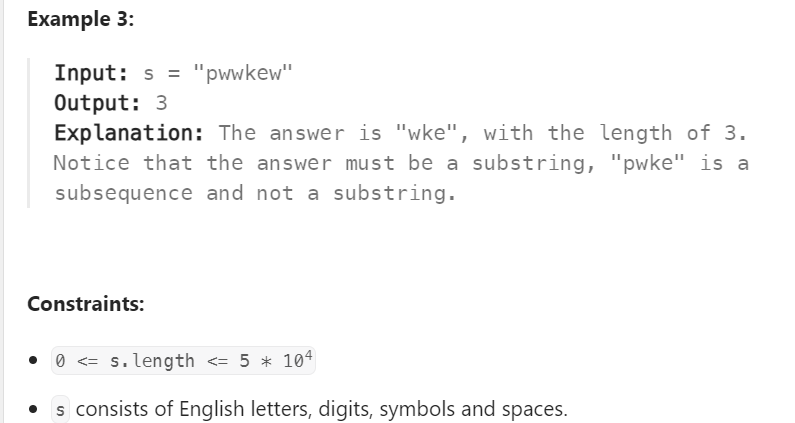
**OUTPUT**

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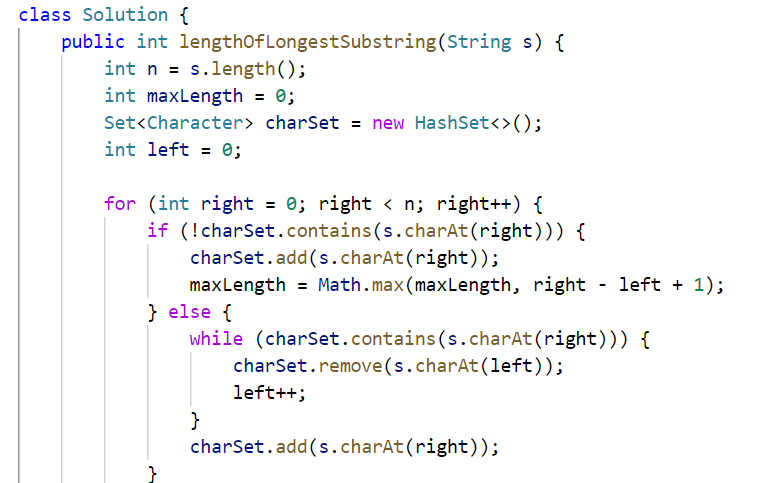
**TIME COMPLEXITY - O(m × n)**

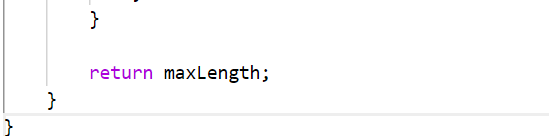
**3)**

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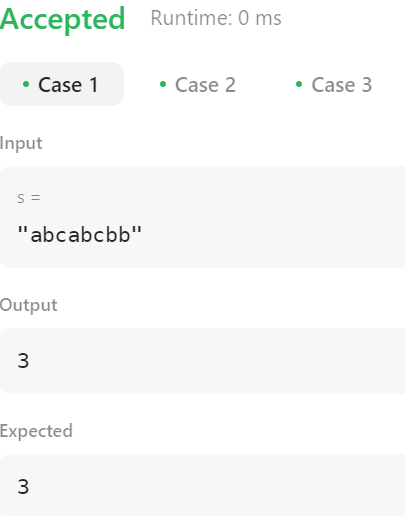
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**SOLUTION**

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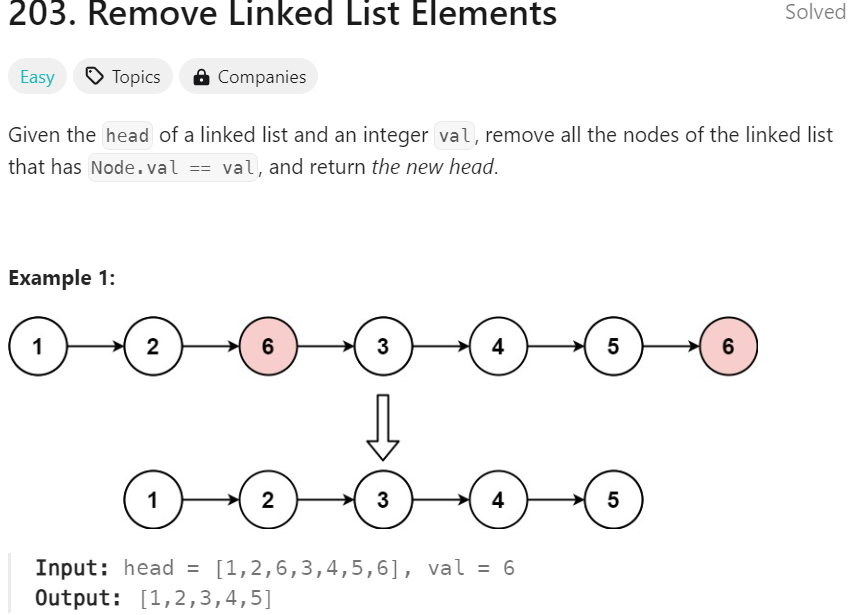
****

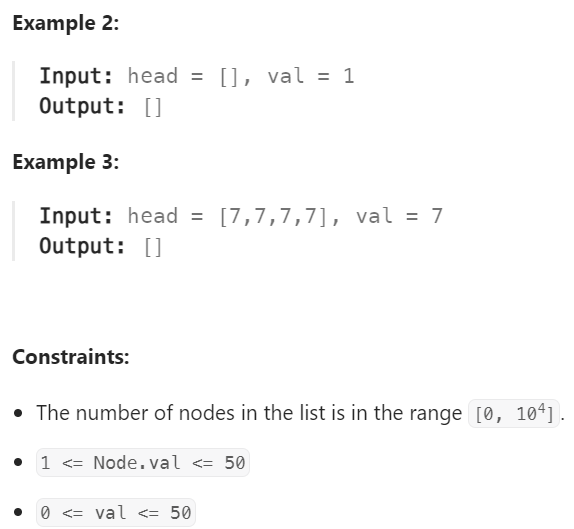
**OUTPUT**

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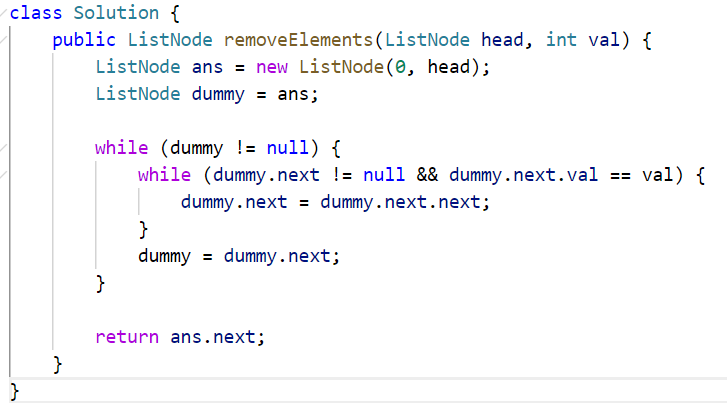
**TIME COMPLEXITY - O(n)**

**4)**

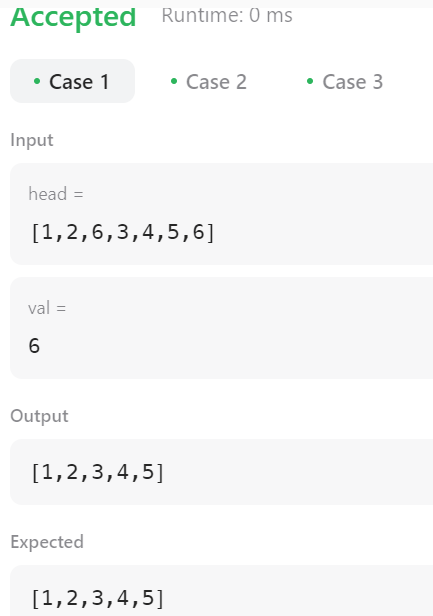
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**SOLUTION**

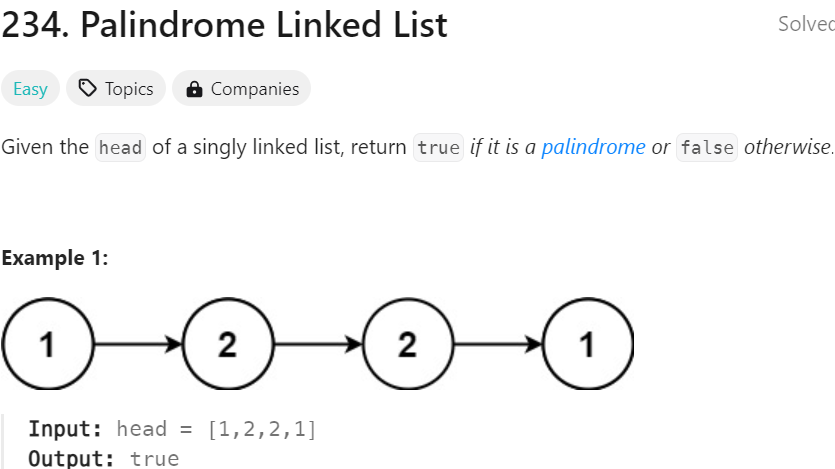
****

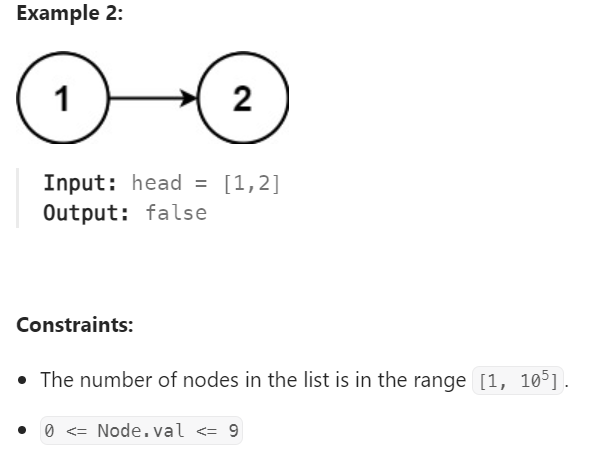
**OUTPUT**

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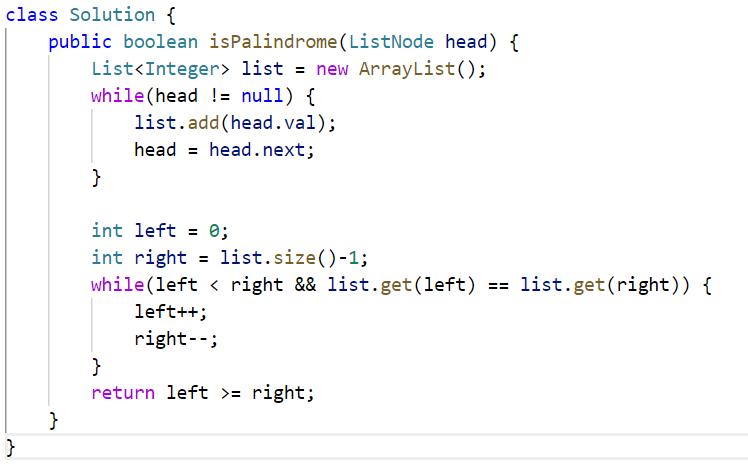
**TIME COMPLEXITY - O(n)**

**5)**

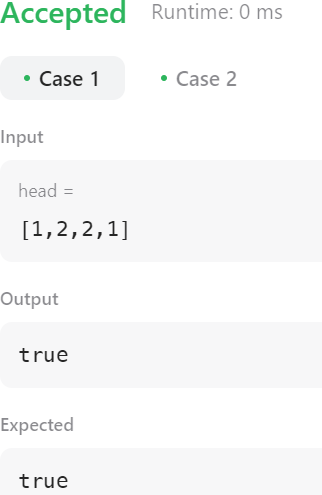
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**SOLUTION**

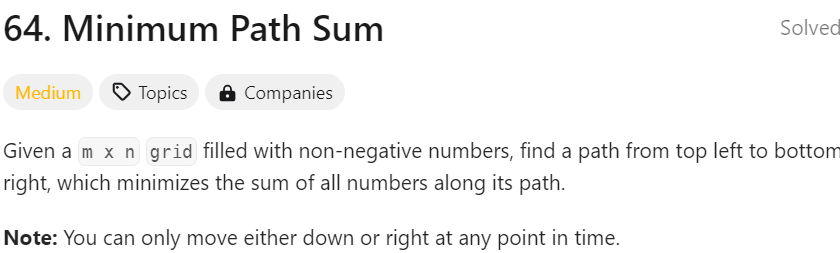
****

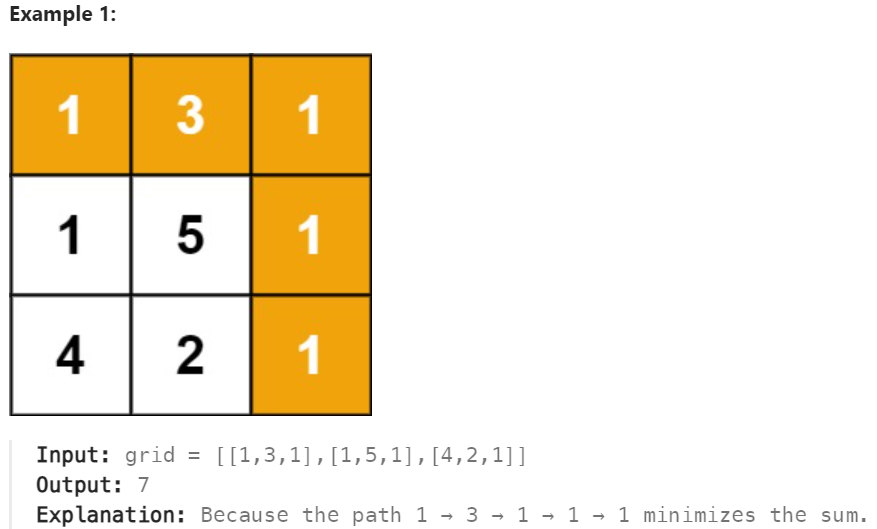
**OUTPUT**

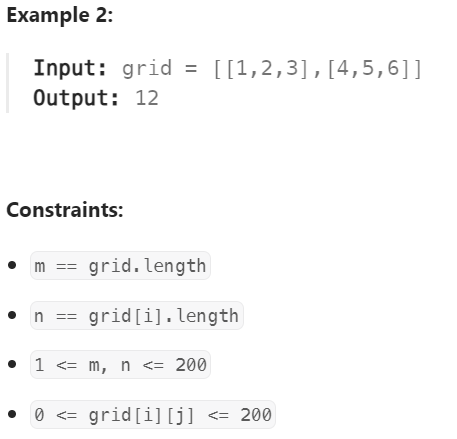
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**TIME COMPLEXITY - O(n)**

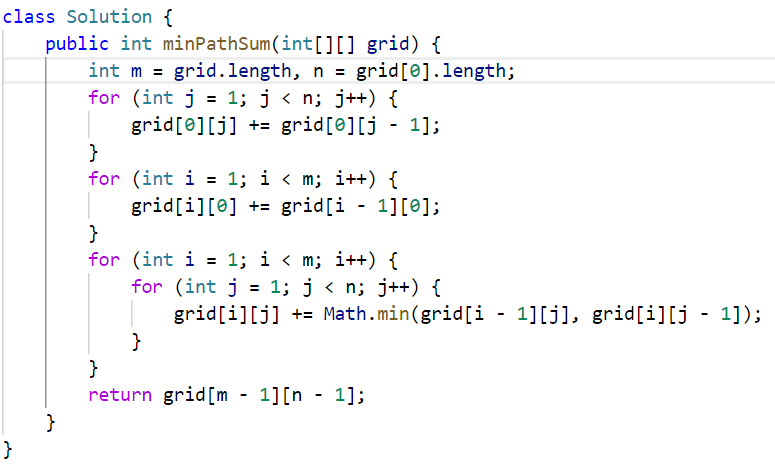
**6)**

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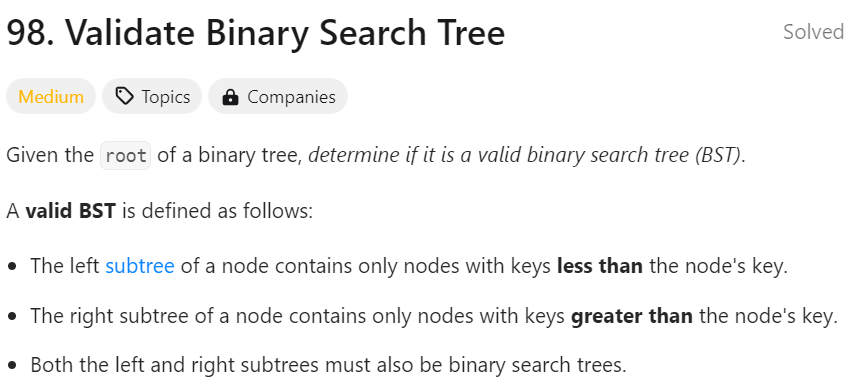
****

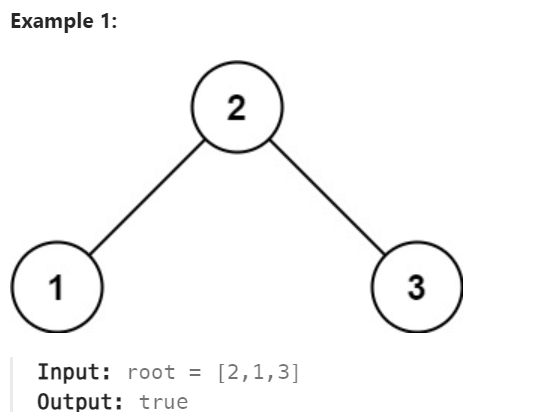
**SOLUTION**

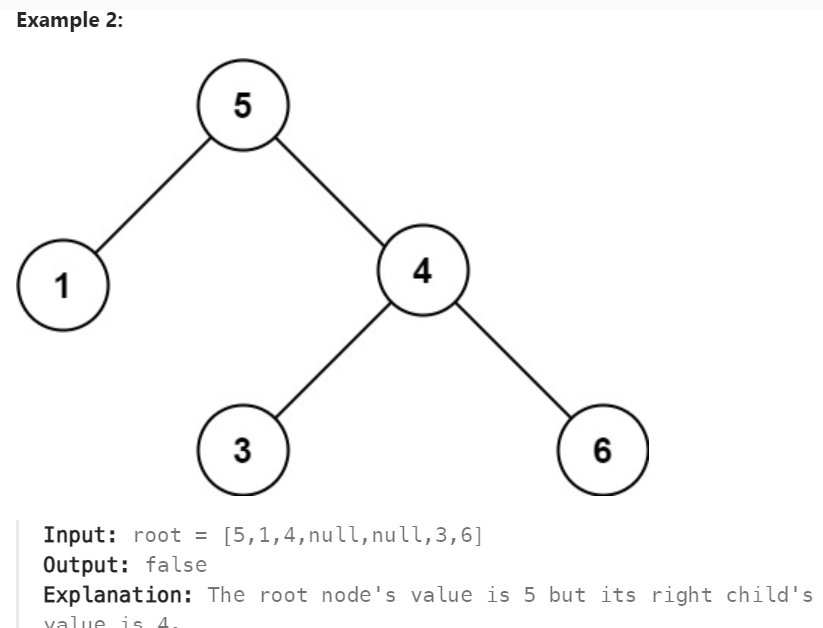
****

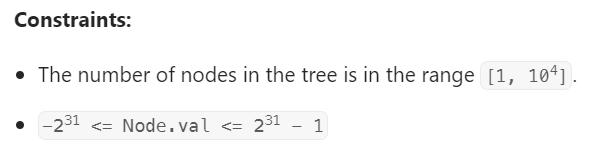
**TIME COMPLEXITY - O(m × n)**

**7)**

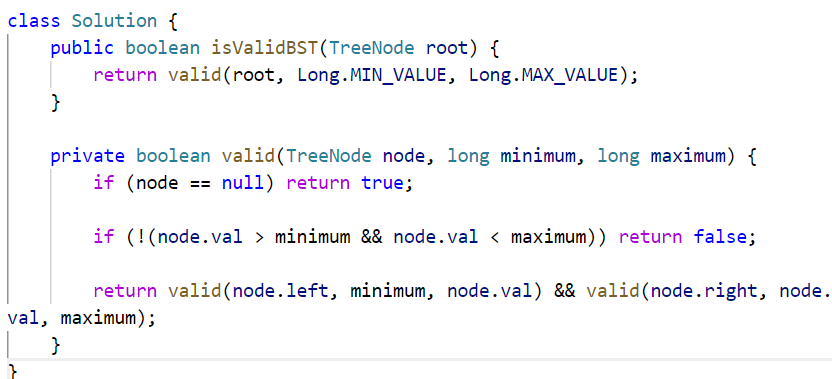
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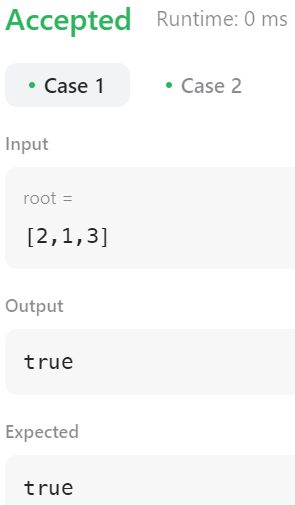
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**SOLUTION**

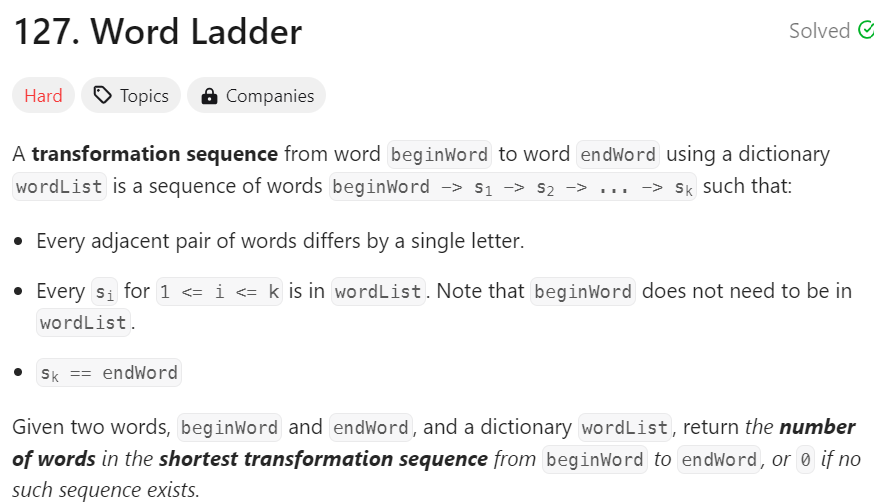
****

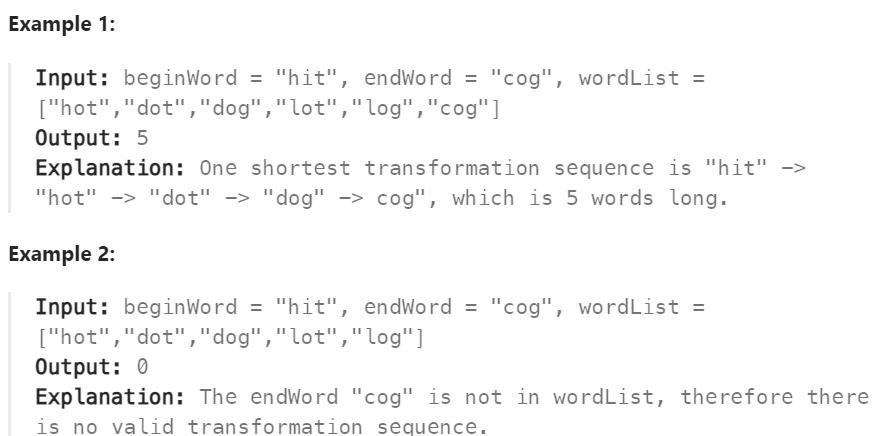
**OUTPUT**

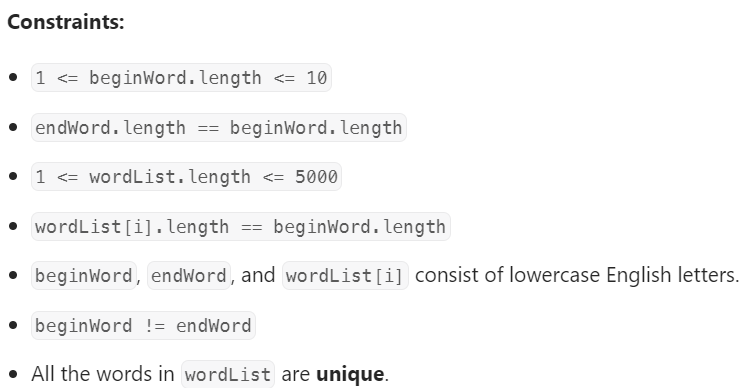
****

**TIME COMPLEXITY - O(n)**

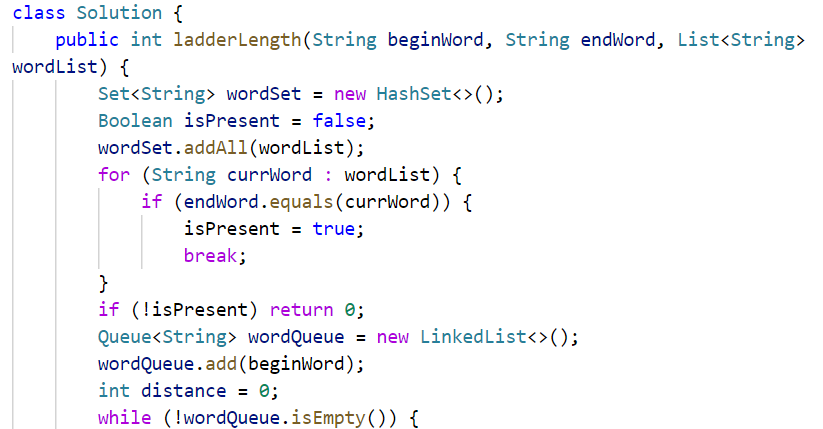
**8)**

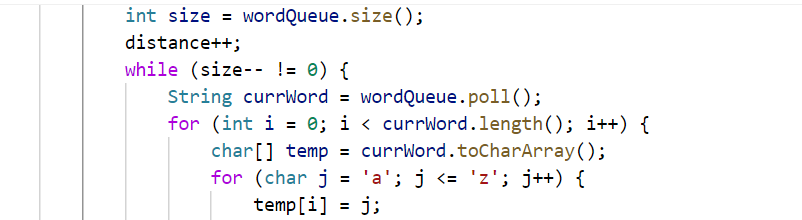
****

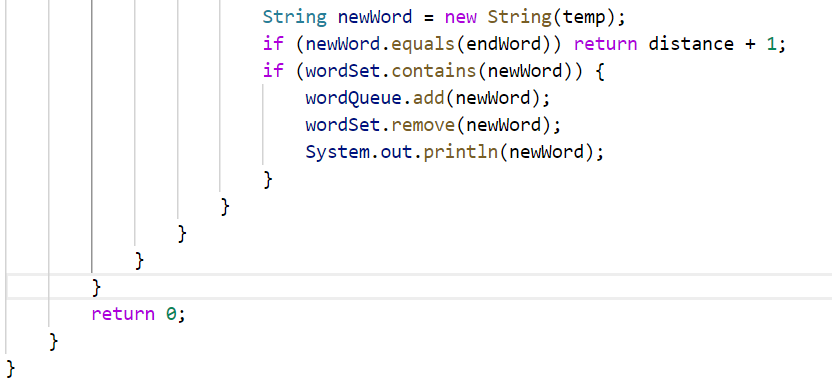
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**SOLUTION**

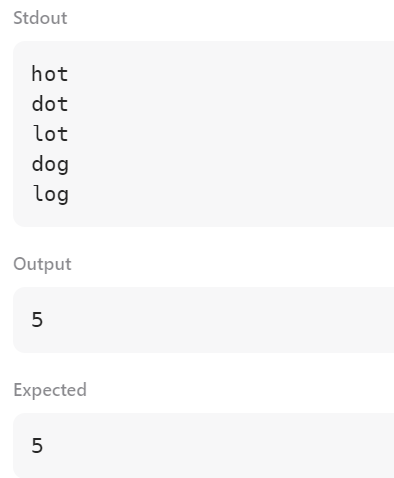
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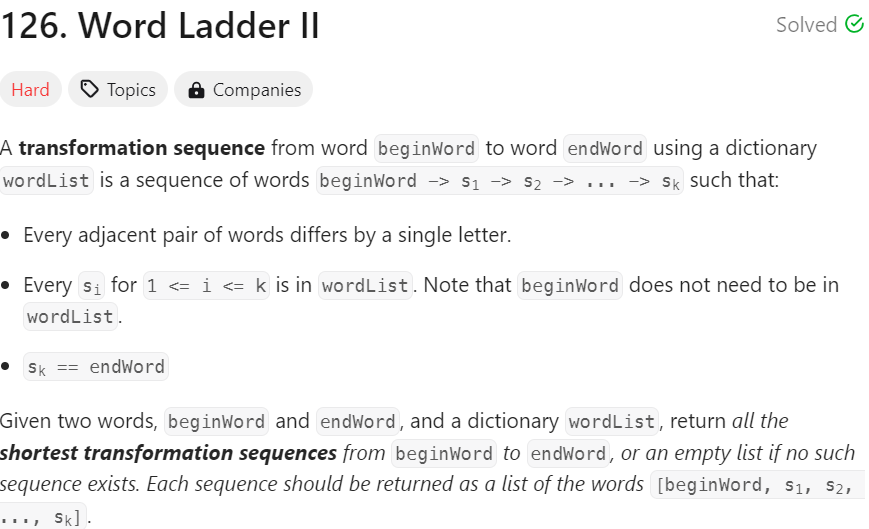
****

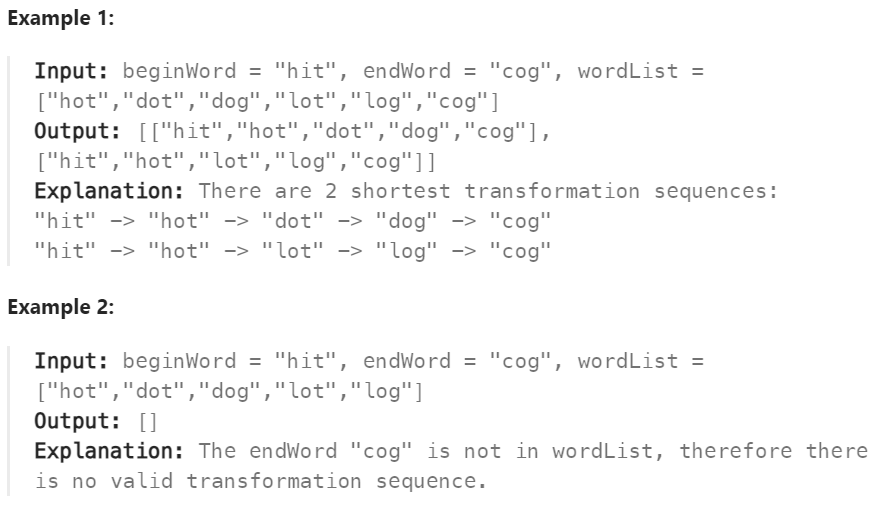
**OUTPUT**

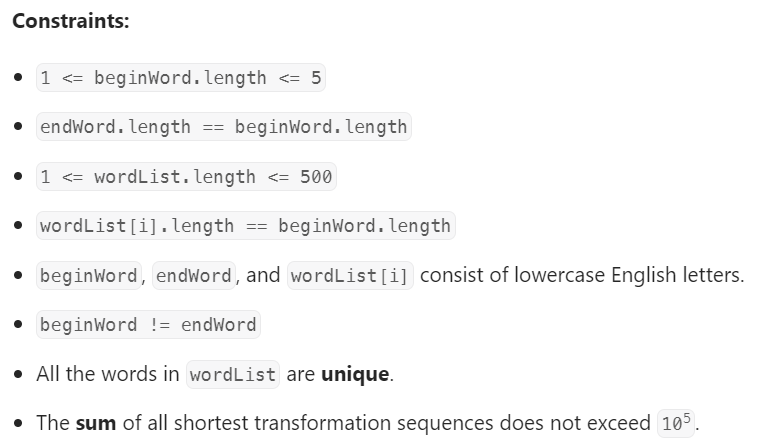
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****

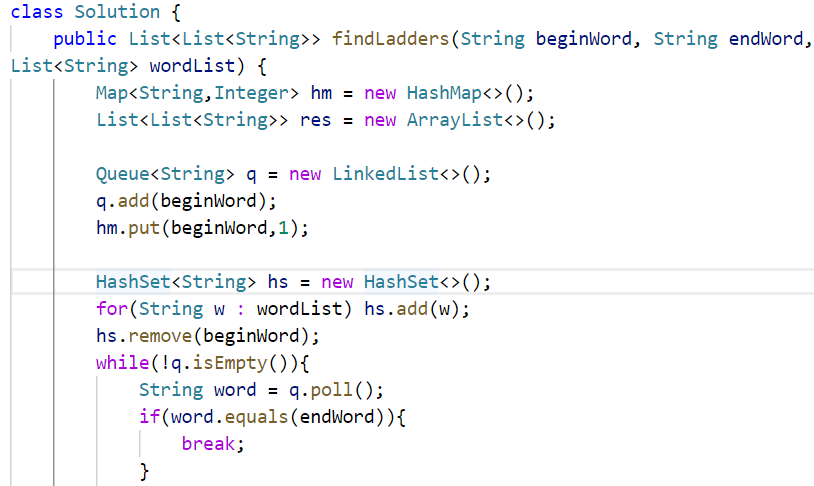
**TIME COMPLEXITY - O(M² × N)**

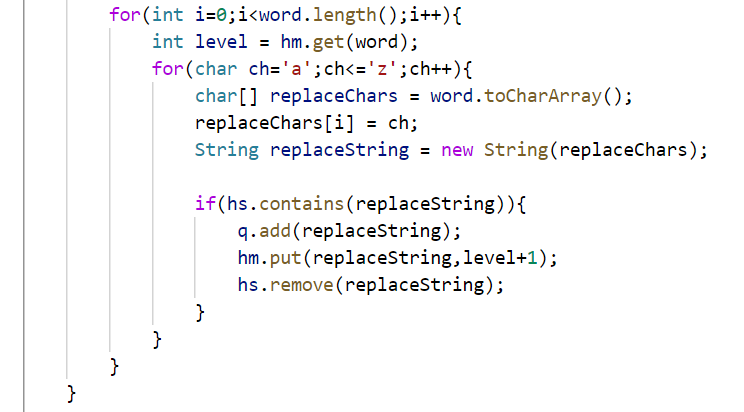
**9)**

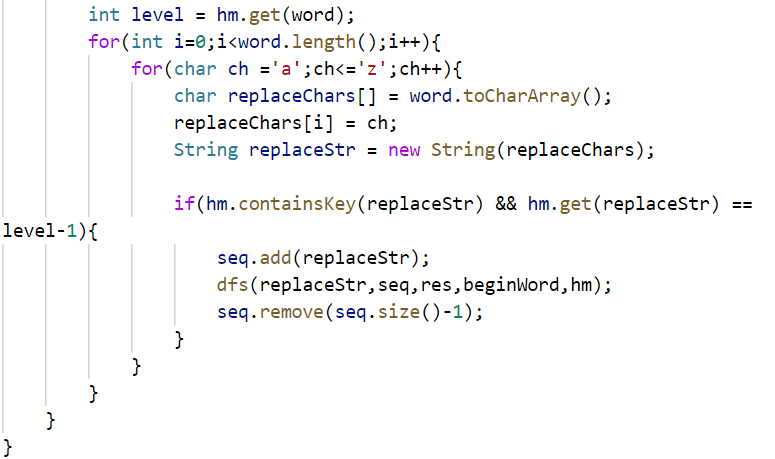
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****

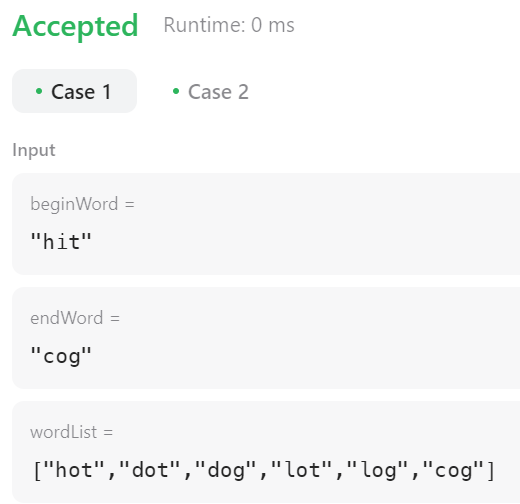
**SOLUTION**

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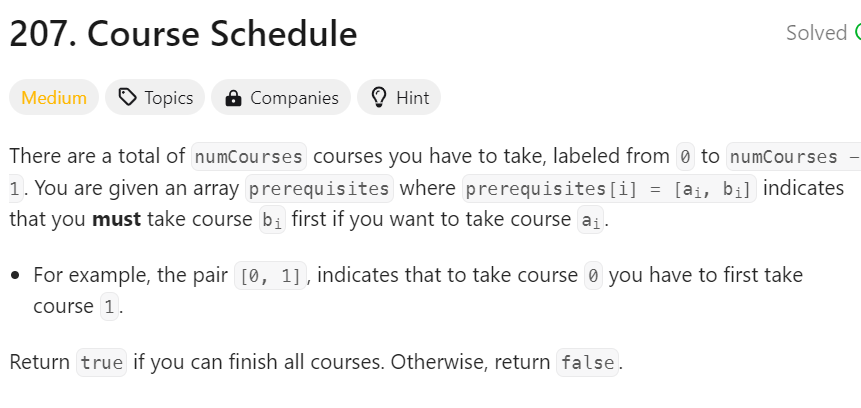
**OUTPUT**

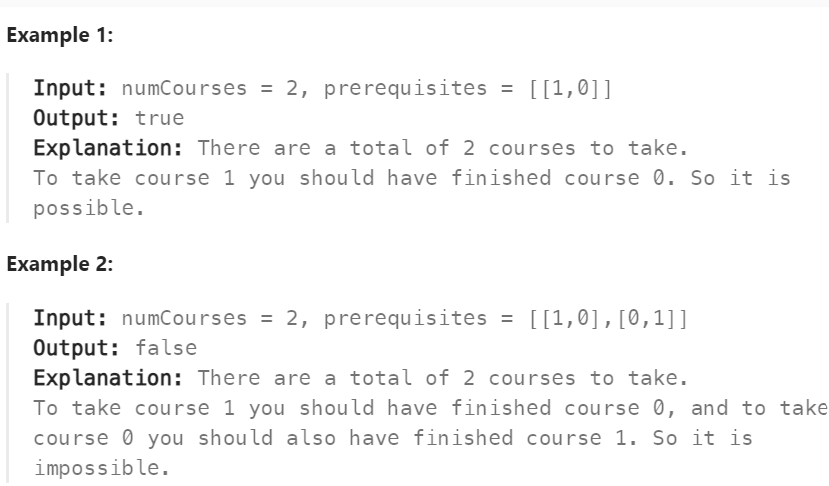
****

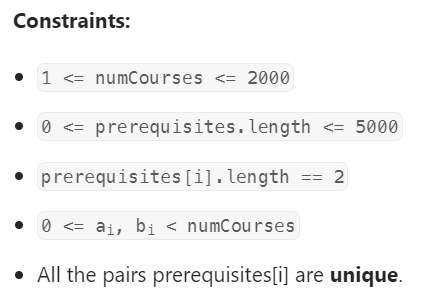
****

**TIME COMPLEXITY - O(N+M)**

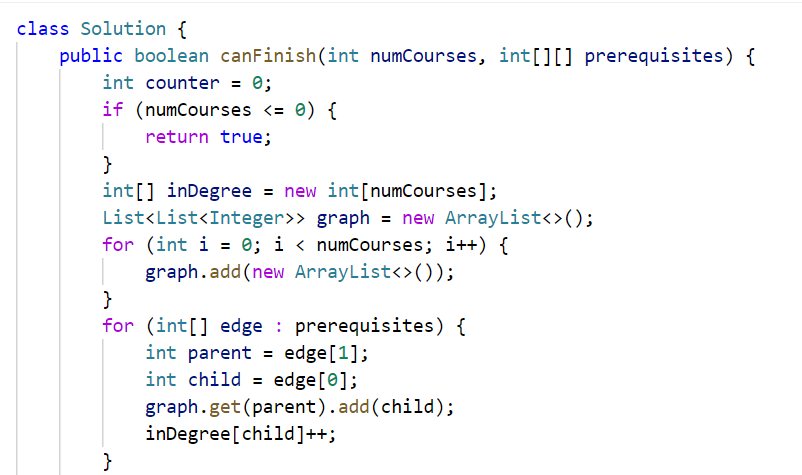
**10)**

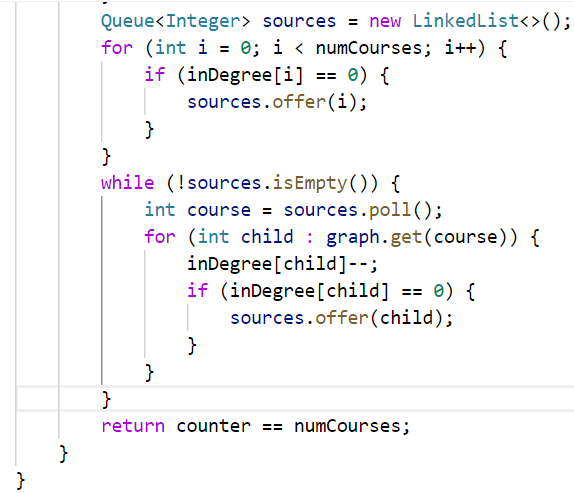
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**SOLUTION**

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**OUTPUT**

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**TIME COMPLEXITY - O(V + E)**