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## Programming Assignment-3: Semi Primes

**Due on 2020-03-05, 23:59 IST**

A semiprime number is an integer which can be expressed as a product of two distinct primes. For example  $15 = 3 \cdot 5$  is a semiprime number but  $9 = 3 \cdot 3$  is not. Given an integer number  $N$ , find whether it can be expressed as a sum of two semi-primes or not (not necessarily distinct).

### Input Format:

The first line contains an integer  $N$ .

### Output Format:

Print 'Yes' if it is possible to represent  $N$  as a sum of two semiprimes 'No' otherwise.

Example:

Input:

30

Output:

Yes

Explanation:

$N = 30$  can be expressed as  $15 + 15$  where  $15$  is a semi-prime number ( $5 \cdot 3 = 15$ )

NOTE:  $N$  is less than equal to 200

### Sample Test Cases

Test Case 1

Input

123

Output

Yes

### Course outline

#### How does an NPTEL online course work?

#### Week 0

#### Week 1

#### Week 2

#### Week 3

#### week 4

#### Week 5

- Introduction to Dictionaries (unit? unit=84&lesson=85)
- Speech to Text : No need to write 01 (unit? unit=84&lesson=86)
- Speech to Text : No need to write 02 (unit? unit=84&lesson=87)

- Speech to Text : No need to write 03 (unit? unit=84&lesson=88)
- Monte Hall : 3 doors and a twist 01 (unit? unit=84&lesson=89)
- Monte Hall : 3 doors and a twist 02 (unit? unit=84&lesson=90)
- Rock, Paper and Scissor : Cheating not allowed !! 01 (unit? unit=84&lesson=91)
- Rock, Paper and Scissor : Cheating not allowed !! 02 (unit? unit=84&lesson=92)
- Rock, Paper and Scissor : Cheating not allowed !! 03 (unit? unit=84&lesson=93)
- Rock, Paper and Scissor : Cheating not allowed !! 04 (unit? unit=84&lesson=94)
- Sorting and Searching : 20 questions game 01 (unit? unit=84&lesson=95)
- Sorting and Searching : 20 questions game 02 (unit? unit=84&lesson=96)
- Sorting and Searching : 20 questions game 03 (unit? unit=84&lesson=97)
- Sorting and Searching : 20

Test Case 2

58

No

Test Case 3

158

Yes

Test Case 4

45

Yes

Test Case 5

62

No

Test Case 6

27

Yes

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```

1  """
2
3  @author: descentis
4  http://sccilabs.org/amit_verma.html
5  """
6
7  li = [12, 16, 20, 21, 24, 25, 27, 28, 29, 30, 31, 32, 35, 36, 37, 39, 4
8
9  N = int(input())
10 if (N in li):
11     print('Yes')
12 else:
13     print('No')
```

questions  
game 04 (unit?  
unit=84&lesson=98)

Sorting and  
Searching : 20  
questions  
game 05 (unit?  
unit=84&lesson=99)

Sorting and  
Searching : 20  
questions  
game 06 (unit?  
unit=84&lesson=100)

Sorting and  
Searching : 20  
questions  
game 07 (unit?  
unit=84&lesson=101)

Sorting and  
Searching : 20  
questions  
game 08 (unit?  
unit=84&lesson=102)

Quiz :  
Assignment 5  
(assessment?  
name=264)

Programming  
Assignment-1:  
Cab and walk  
(/noc20\_cs35/progassignment?  
name=291)

Programming  
Assignment-2:  
End-Sort  
(/noc20\_cs35/progassignment?  
name=292)

**Programming  
Assignment-  
3: Semi  
Primes  
(/noc20\_cs35/progassignment?  
name=293)**

Week 5  
Feedback  
(unit?  
unit=84&lesson=294)

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**Week 6**

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**Week 7**

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**Week 8**

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**Week 9**

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**Week 10**

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**Week 11**

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**Week 12**

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