Fives and Threes Only

Published by **Deep Xavier** in **Java** ▼

`algebra` `algorithms` `recursion` `validation`

Write a function that mimics the following described arithmetic operations.

Starting with either `3` or `5` and given these operations:

- add `5`
- multiply by `3`

You should say if it is possible to reach the target number `n`.

Examples

```
only5and3(14)  →  true
// 14 = 3*3 + 5

only5and3(25)  →  true
// 25 = 5+5+5+5+5

only5and3(7)  →  false
// There exists no path to the target number 7
```

Notes

- Only **addition** and **multiplication** arithmetic operations are allowed.
- You can solve this problem **recursively** or **algebraically**.

I have examined this challenge and have absolutely no idea from the perspective of algebra or recursive.
Not sure how I can utilize recursion given that the given numbers 3 and 5 are not in proximity to the target number.