

Possible Path ★

Points: 625 Rank: 4369

Problem

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Editorial by kevinSogo

Editorial



Set by amititkgp

Problem Setter's code:

Python 2

```
from fractions import gcd
for _ in range(input()):
    a,b,x,y = [int (x) for x in raw_input().split()]
    if gcd(x,y) == gcd (a,b):
        print "YES"
    else:
        print "NO"
```



Tested by kevinSogo

Problem Tester's code:

Python 2

```
from fractions import gcd
for cas in xrange(input()):
    a,b,x,y = map(int,raw_input().split())
    print "NO YES".split()[gcd(a,b) == gcd(x,y)]
```

STATISTICS

Difficulty: Easy

Success Rate: 50.58%

Time Complexity: $O(\log(0^{18}))$ per test cas

Required Knowledge: GCD and Properties

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Originally featured in [Ad Infinitum - Math Programming Contest June'14](#)

Of the 2021 contest participants, 514 (25.43%) submitted code for this challenge.

NEED HELP?

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Yes

No