

GCD: GCD2

```
import sys
def gcd(u, v):
    while (v):
        t = u;
        u = v;
        v = t % v;

    return -u if u < 0 else u

def main():
    input = sys.stdin.read
    data = input().splitlines()

    n = int(data[0])
    results = []

    for i in range(1, n + 1):
        a, b = data[i].split()
        a = int(a)
        b = int(b)
        res = gcd(a, b)
        results.append(str(gcd(a, res)))

    print("\n".join(results))

if __name__ == "__main__":
    main()
```

33822037	2024-11-21 20:01:31	buenos aires	GCD2	accepted edit ideone it	0.03	9.8M	PYTHON3
----------	------------------------	--------------	------	-----------------------------------	------	------	---------