CSES Problem Set

Coin Piles

Submission details

Task:	Coin Piles
Sender:	sinhaaditya
Submission time:	2025-10-09 16:31:26 +0300
Language:	C++ (C++17)
Status:	READY
Result:	ACCEPTED

Test results

test	verdict	time	
#1	ACCEPTED	0.02 s	»
#2	ACCEPTED	0.03 s	»
#3	ACCEPTED	0.00 s	»

Code

```cpp
#include <iostream>
#include <algorithm>
using namespace std;

class CoinPiles {
private:
    long long a, b;

public:
    // Constructor
    CoinPiles(long long a, long long b) {
        this->a = a;
        this->b = b;
    }

    // Check if both piles can be emptied
    bool can_empty() const {
        return ((a + b) % 3 == 0) && (min(a,
    }

    // Static method to handle all test cases
    static void solve_all() {
        ios::sync_with_stdio(false);
        cin.tie(nullptr);

        int t;
        cin >> t;
        while (t--) {
            long long a, b;
            cin >> a >> b;
```

Introductory Problems

...

- Two Sets –
- Bit Strings –
- Trailing Zeros –
- Coin Piles ✓
- Palindrome Reorder ✗
- Gray Code ✓
- Tower of Hanoi –
- Creating Strings –

...

Your submissions

2025-10-09 16:31:26 ✓

```
31              CoinPiles piles(a, b);
32              cout << (piles.can_empty() ? "YES
33          }
34      }
35  };
36
37  int main() {
38      CoinPiles::solve_all();
39      return 0;
40  }
```

SHARE CODE TO OTHERS

Test details

Test 1

Verdict: ACCEPTED

input
99681 0 0 0 1 0 2 0 3 ...

correct output
YES NO NO NO NO ...

user output
YES NO NO NO NO ...

Test 2

Verdict: ACCEPTED

input
100000 842572599 577431753 733431661 716735123 409325692 74067624

```
753728522 940667932
...
```

correct output

```
YES
YES
NO
YES
NO
...
```

user output

```
YES
YES
NO
YES
NO
...
```

Test 3

Verdict: ACCEPTED

input

```
1
11 4
```

correct output

```
NO
```

user output

```
NO
```