

Hi all,

# Lossless Data Compression

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Weekly Challenge #1 Review

# Lucky Number

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# Weekly Challenge #2

Chenzhang Hu

# Arbitrage

This problem deals with multiple currencies.

# Arbitrage

This problem deals with multiple currencies. Given some set of exchange rates that you can pay  $A$  units of a currency and get  $B$  units of another currency, your task is to detect a possibility of arbitrage.

## Sample Input

2

CZK EUR

2

CZK EUR 25:1

EUR CZK 1:25

0

## Sample Output

0k

## Sample Input

3

CZK USD GBP

4

CZK USD 28:1

CZK GBP 31:1

GBP CZK 1:31

USD GBP 1:1

0

## Sample Output

Arbitrage



# Sample Input

3

CZK USD GBP

4

CZK USD 28:1

CZK GBP 31:1

GBP CZK 1:31

USD GBP 1:1

0

# Sample Output

Arbitrage

# Arbitrage

<https://open.kattis.com/problems/arbitrage>