



[CS 1123.1] Lab 1c – Refrigerator

submissions

⌚ Time limit:
☰ Memory lim

- Problem type
 - Allowed languages
NONE, py3

As you start preparing

ASAP.

You have to buy

The socket has three prongs
there are no plugs you can change

We say that a plug whose prongs (the metal ends) have depths p_1 , p_2 , and p_3 centimeters matches the socket if $s_1 + p_1 = s_2 + p_2 = s_3 + p_3$.

Which plugs in the shop match the socket you usually plug your refrigerator to?

Task Details

```
def plugs_that_match(socket, plugs):
```

The above says that it has two arguments, `socket` and `plugs`:

- depths of the
- **plugs** is a

The function must return a tuple of triples denoting the plugs that match the socket you plug the refrigerator into.

- recursion is allowed.
- comprehensions are *disallowed*.

- at most 6 functions can be defined.
 - Your source code must have at most 800 bytes.

Examples

Example 1 Function Call

```
l = lambda x: ((1, 1, 1), ((1, 1, 1), (1, 2, 1), (2, 1, 1)))
```

Example 1

((1, 1, 1),)

Constraints

- $0 \leq n \leq 80$
- $1 \leq s_i, p_i \leq 10^{20}$

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- You get 120 ❤
 - $n \geq 1$

[View Details](#)

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