

There are some people and cats in a house. You are given the number of legs they have all together. Your task is to return an array containing every possible number of people that could be in the house *sorted in ascending order*. It's guaranteed that each person has 2 legs and each cat has 4 legs.

Example

- For `legs = 6` , the output should be  
`houseOfCats(legs) = [1, 3]` .  
  
There could be either 1 cat and 1 person ( $4 + 2 = 6$  ) or 3 people ( $2 * 3 = 6$  ).
- For `legs = 2` , the output should be  
`houseOfCats(legs) = [1]` .  
  
There can be only 1 person.

Input/Output

- [execution time limit] 4 seconds (js)**
- [input] integer legs**

The total number of legs in the house.

*Guaranteed constraints:*  
 $0 \leq legs \leq 45$  .

- [output] array.integer**  
  
Every possible number of people that can be in the house.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
  console.log("This prints to the console when you Run Tests");
  return "Hello, " + name;
}
```