

Programming Language Homework 3

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1. Introduction

- I. First, I ask the user to input the number, and store the number by `read(X)`. Then I call `goldbach(X)` to find the goldbach combination of this input. `halt` makes the program end when the whole task is completed.
- II. In the `goldbach(X)` function, I will determine the following:
 - i. Whether the number is even, by `isEven(X)`.
 - ii. Whether the number is smaller or equal then 2, by $X \leq 2$.

If the input is an odd number or not greater than 2, it will print invalid input., and terminates the program.

If the input satisfies the conditions, it will call `findResult(A, B)`.

- III. In the `findResult(A, B)` fuction