## Program p1 : find the hypothenuse, knowing the legs

def x : float

def y, z : (int, int) = 7, 10

x = rad(y^2 + z^2)

print(`The hypothenuse is \*x\*`)

## Program p2: check if number is prime

fun isPrime(n: int) : boolean

def d : number = 2

while(d <= n/2)

if(n % d == 0)

exit false

d += 1;

exit true;

def number: int

print(`Add your number: `)

read(number)

print(isPrime(number) ? `\*number\* is prime.` : `\*number\* is not prime.`)

## Program p3: arithmetic mean of unknown number of numbers

def numbers : [int] = []

def input : int = -1

def sum : int = 0

def no : int = 0

print(`Input numebrs, type 0 to stop:`)

while(input != 0) {

print(`New number: `)

read(input)

sum += input

no += 1

}

print(`Result \*sum//no\*`)

## Program perr

def x : float

def x\_1, x\_2 : (int, int) = 7, 10 ## "\_" not allowed in variable name

x = rad(x\_1^2 + x\_2^2)

printf(`The hypothenuse is \*x\*`) ## printf instead of print