

P1: maximum number of 3 numbers

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```
var a: Integer;  
var b: Integer;  
var c: Integer;  
var maxi: Integer;
```

```
read(a, 8);  
read(b, 4);  
read(c, 2004);
```

```
checkIf(a < b)  
    read(maxi, b);  
else  
    read(maxi, c);
```

```
checkIf(maxi < c)  
    read(maxi, c);
```

```
write(maxi);  
~
```

P2: check if a number is prime

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```
var nr: Integer;  
var message: String;  
var divisor: Integer;  
read(nr, 2022);  
read(divisor, 2);
```

```
checkIf(nr < 2)  
    read(message, "Not Prime");
```

```
whileTrue(nr / 2 - 1 > divisor and nr % divisor isNot 0)  
    read(divisor, divisor + 1);  
endWhileTrue
```

```
checkIf(divisor isNot nr/2)  
    read(message, "Prime");  
else  
    read(message, "Not Prime");
```

```
write(message);  
~
```

P3: check if any item from a list is prime

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```
var size: Integer;
read(size, 5);
var itemList: List(Integer, size);
read(itemList, [1,2,3,4,5]);
var counter: Integer;
read(counter, 0);
var divisor: Integer;
var message: String;
read(message, "Not Prime");

whileTrue(counter < size)
    read(divisor, 2);
    whileTrue(itemList[counter] / 2 - 1 > divisor and itemList[counter] % divisor isNot 0)
        read(divisor, divisor + 1);
    endWhileTrue
    checkIf(divisor isNot itemList[counter]/2)
        read(message, "Prime");
    read(counter, counter+1);
endWhileTrue
write(message);
```

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P1Err: P1

#

```
var a: Integer;
var b: Integer;
var 5c: Integer;
var maxi: Integer;

read(a, 8);
read(b,4);
read(c,1234);

checkIf( a<b )
    read(maxi, b);
else
    read(maxi, c);

checkIf(maxi<c)
    read(maxi, c);

write(maxi);
```

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