

P1:

\$

```
let a: int;  
input(a);
```

```
let b: int;  
input(b);
```

```
let c: int;  
input(c);
```

```
let max = a;  
check(b > a) {  
    max = b;  
}
```

```
check(c>max) {  
    max = c;  
}
```

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P2:

\$

```
let number: int;  
input(number);
```

```
let primeAnswer = "Prime";  
let nonPrimeAnswer = "NonPrime";
```

```
check(number < 2) {  
    output(nonPrimeAnswer);  
    exit;  
}
```

```
check(number == 2) {  
    output(primeAnswer);  
    exit;  
}
```

```
check(number % 2 == 0) {  
    output(nonPrimeAnswer);  
    exit;  
}
```

```
loop(let d = 3; d * d <= number; d = d + 2) {  
    check (number % d == 0) {  
        output(nonPrimeAnswer);  
        exit;  
    }  
}
```

```
output(primeAnswer);
```

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P3:

\$

```
let sum = 0;
let currentNumber: int;

let n: int;
input(n);

loop(let i = 0; i<n; i=i+1) {
    input(currentNumber);
    sum = sum + currentNumber;
}

output(sum);
```

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```
P_err1:
$
    let a: lint;
    input(a);

    let b: int;
    input(b);

    let c: int;
    input(c);

    let max = a;

    check(b ~ a) {
        max = b;
    }

    check(c > max) {
        max = c;
    }

    output(max);
$
```