

## 1. Max of 3 numbers:

start

number a, b, c;

print "Read the numbers";

read a, b, c;

if [a gt b]:

if [a gt c]:

print a;

else:

print c;

fi;

else:

if [b gt c]:

print b;

else:

print c;

fi;

fi;

end

## 2. Compute the solutions for a 2<sup>nd</sup> equation -> Ex: $2a+5b-2c=0$

start

number a, b, c, x, delta, x1, x2;

print "Read the numbers";

read a, b, c;

$\text{delta} = b^2 - 4*a*c$ ;

if [delta eq 0]:

$x = (-1)*b / 2*a$ ;

print x;

else if [delta gt 0]:

$x1 = ((-1)*b + \text{root}(\text{delta})) / 2*a$ ;

```

        x2 = ((-1)*b - root(delta)) / 2*a;
        print "Solutiile sunt: ", x1, " si ", x2;
    else:
        print "Ecuatia nu are solutii reale ";
    fi;
end

```

### 3. Compute the sum of n numbers

```

start
    number sum, n, current_number;
    print "n = ";
    read n;
    for [i <- 1, n, 1]:
        read current_number;
        sum = sum + current_number;
    rof;
    print "Suma numerelor este ", sum;
end

```

### 4. Max of 3 numbers with 2 errors:

```

start
    number a, b, c;
    print 'Citim numerele';
    read a, b, c;
    if [a gt b]:
        if [a gt c]:
            print 7a;
        else:
            print c;
        fi;
    else:

```

```
    if [b gt c]:  
        print b;  
    else:  
        print c;  
    fi;  
fi;  
end
```