

Inkrementation / Dekrementation ausführlich**Aufgabe:**

Welche Werte besitzen a, b und c nach Abarbeitung der jeweils letzten Zeile?

Beispiel 1:

```
int a = 1, b = 2, c = 3;

a = b++ * (a + c--);

// a = ____ b = ____ c = ____

b = ++a + (--b * --c);

// a = ____ b = ____ c = ____

c = a + b++;

// a = ____ b = ____
```

a = 8, b = 3, c = 2
a = 9, b = 11, c = 1
a = 9, b = 12, c = 20

Beispiel 2:

```
int a = 1, b = 1, c = 1;

a = a * (++b + c--);

// a = ____ b = ____ c = ____

b = b + (--a * ++c);

// a = ____ b = ____ c = ____

c = c + ((a + b) * (a - b));

// a = ____ b = ____
```

a = 3, b = 2, c = 0
a = 2, b = 4, c = 1
a = 2, b = 4, c = -11

Beispiel 3:

```
int a = 2, b = 2, c = 2;

a = a * (b-- + ++c);

// a = ____ b = ____ c = ____

b = b * (--a / --c);

// a = ____ b = ____ c = ____

c = c * ((a+b) - (a-b));

// a = ____ b = ____
```

a = 10, b = 1, c = 3
a = 9, b = 4, c = 2
a = 9, b = 4, c = 16