

First module

```
1 expr = a*x+x^2;
id x = a + b;
```

First term Second term

**a\*x** **+x^2**

Generating

**+a^2** **+a\*b** **+a^2** **+a\*b** **+a\*b** **+b^2**

Sorting

```
.sort
```

**+2\*a^2** **+3\*a\*b** **+b^2**

Generating

```
if (count (b, 1) == 1);
multiply 4*a/b;
endif;
```

**+2\*a^2** **+12\*a^2** **+b^2**

Sorting

```
print;
.end
```

**+14\*a^2** **+b^2**

Second module