

```
Unprotect [NonCommutativeMultiply];
Attributes [NonCommutativeMultiply] = {};
(NCM = NonCommutativeMultiply) [x_] := x;
NCM [x_, y_, z_] := (x ** y) ** z;
0 ** _ = _ ** 0 = 0;
(x_Plus) ** y_ := (# ** y) & /@ x;
x_ ** (y_Plus) := (x ** #) & /@ y;
B [x_, x_] = 0; B [x_, y_] := x ** y - y ** x;
B [x_, y_, e_] := B [x, y, e] = B [x, y];
```