Operator Precedence and Associativity

The operators are shown in order of precedence, from highest to lowest.

| Operator | Associativity | |
|-----------------------------------|-----------------------|--|
| :: | unary: left to right | |
| | binary: right to left | |
| () [] -> . | left to right | |
| ++ - + - ! ~ (type) * & sizeof | right to left | |
| * / % | left to right | |
| + - | left to right | |
| << >> | left to right | |
| < <= > >= | left to right | |
| == != | left to right | |
| & | left to right | |
| ^ | left to right | |
| | left to right | |
| && | left to right | |
| II | left to right | |
| ?: | right to left | |
| = += -= *= /= %= &= ^= = <<= >>= | right to left | |
| ı | left to right | |