Sample 1:

Part A:

`boolean` a = `false`, b = `true`, c = `false`, d = `true`;

(c **|** (d && a) **) | | (** (b && a) **|** d**) | | (** (! a && ! c) **| |** b**)**

TRUE

Part B:

`boolean` a = `false`, b = `true`, c = `false`, d = `true`;

((a && c) **| |** ! b**) | | (** ((b && a) **| |** d) && (c **| |** (d && a))**)**

FALSE

Part C:

`int` a = 2, b = 3, c = 2, d = 5;

((a + b == b + d) **| |** (a > c) **) | | (** (c < d) && (a != d) **)**

TRUE

Part D:

`int` a = 2, b = 3, c = 2, d = 5;

((a != b + c) && (c >= b) && (d < c) **) | | (** (c < a) **| |** (a < c) **) | |** (a + c < d)

TRUE

Sample 2:

Part A:

`boolean` a = `false`, b = `false`, c = `true`, d = `true`;

(c || (a && d)) || ((c && a) || d) && ((!a && !c) || d)

TRUE

Part B:

`boolean` a = `false`, b = `false`, c = `true`, d = `true`;

(((b && d) || !a) || ((d && a) || c)) && (a || (b && c))

FALSE

Part C:

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

((a > c) || (a + d <= b + c)) || ((a != d) && (c < d))

TRUE

Part D:

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

((a < b + c) && (b >= c) && (d < c)) || ((c < a) && (a > c)) || (c == d – a)

TRUE