TCH004 - GR10 - Cours 03

$2+5 \Rightarrow 7$

$x = \underbrace{2+5}_{7};$

$<$

$>$

$==$

$5 > 2 \Rightarrow$ expression

op

ou vrai

faux

opérandes

$5 > 2 \Rightarrow 1$

$2 > 2 \Rightarrow \emptyset$

---

if $(x >= y)$

$x \not> y$

if $(x <= y)$

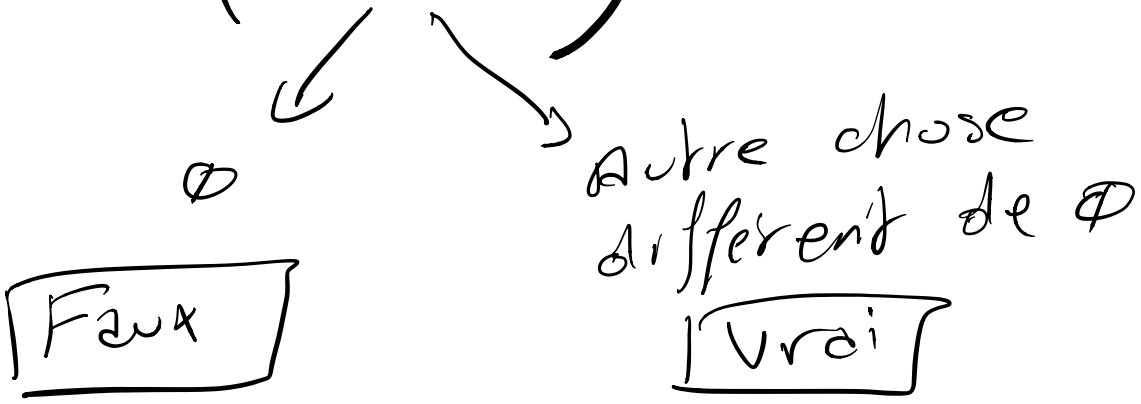
$x \not< y$

```
if ( x != y )
```

1

```
if ( <expression> )
```

```
if ( x + 5 )
```

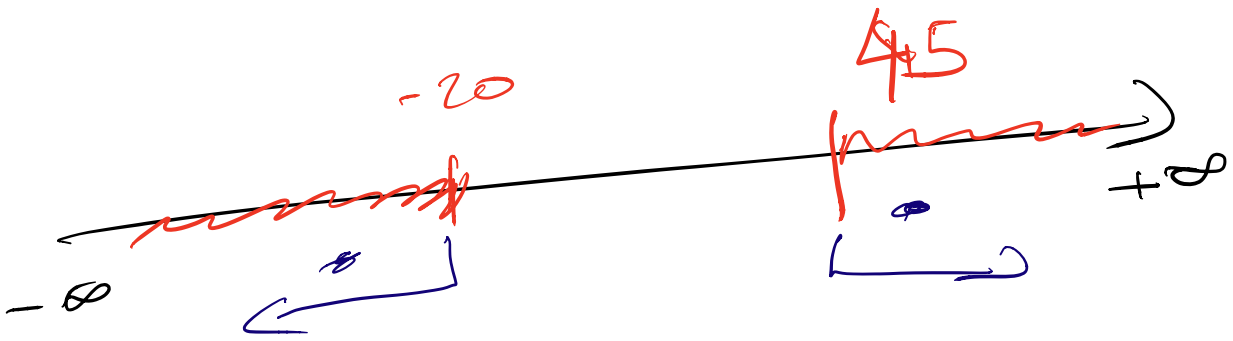



```
int x;
```

if (_____)

{

}



if ($x < -20$)

{)

}

```
else if ( x > 45 )
  {
    ==
  }
```

```
if ( x < -20 || x > 45 )
{
    ==
  }
```

```
x = 75;
y = 10;
```

```
if (x > 50 || y < 25)
{
    ≡
    ≡
}
```

ou

Table de vérité du OU (||)

Cond 1	Cond 2	Cond 1 || Cond 2
1	1	1
1	0	1
0	1	1
0	0	0

x

$x = 20;$

if $(25 > x > 5)$

$1 > 5$

$\emptyset$

}

$\equiv$

$5 + x + 7$

$25 + 7$

32

}

$x < 25$

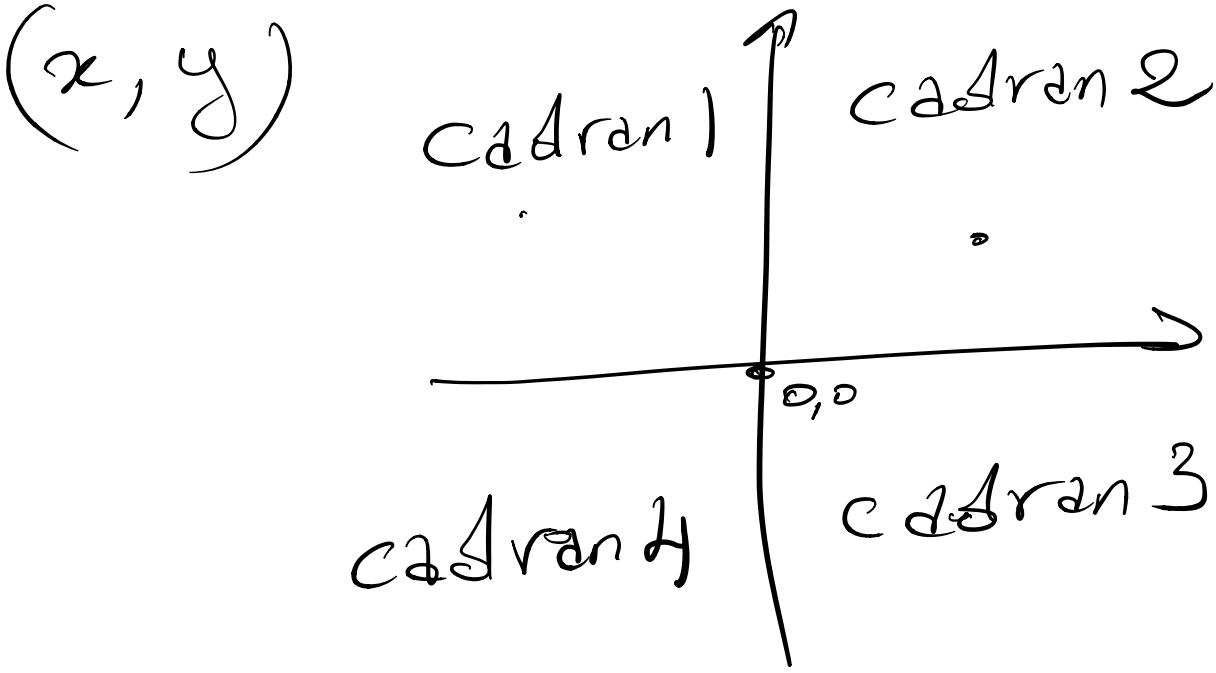
ET

$x > 5$

```
if ( x<25 && x>5 )
{
    ========
    ========
    ========
}
```

cond1	cond2	cond1 && cond2
1	1	1
1	ϕ	ϕ
ϕ	1	ϕ

$\phi \mid \phi \mid \phi$



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23 : 00010111

24 : 00011000

23 & 24

23 : 0 0 0 1 0 1 1 1

24 : 0 0 0 1 1 0 0 0

---

0 0 0 1 0 0 0 0

23 & 24 = 16

& : ET bit à bit

| : OU bit-à-bit

23 | 24

23 : 0 0 0 1 0 1 1 1

24 : 0 0 0 1 1 0 0 0

23|24: 0 0 0 1 1 1 1 1

16 8 4 2 1

23 | 24 = 31

if (x >= 0 || y < 5)

1 1