$$\frac{5 + 3 - 2 \times 5 + 6^2}{\sqrt{2^2 + 3 + 9^2}}$$

↳ Sqr, expt (expt 6 2)

↳ sqrt

① ② ③ ④

```
(/ (+ 5 3 (- (* 2 5)) (sqr 6))
   (sqrt (+ (sqr 2) 3 (sqr 9)))
)
```

"hola mundo"

cadena texto

True False

booleanos

'hola

Simbolos

5 5.77

numeros Flotantes

Variables

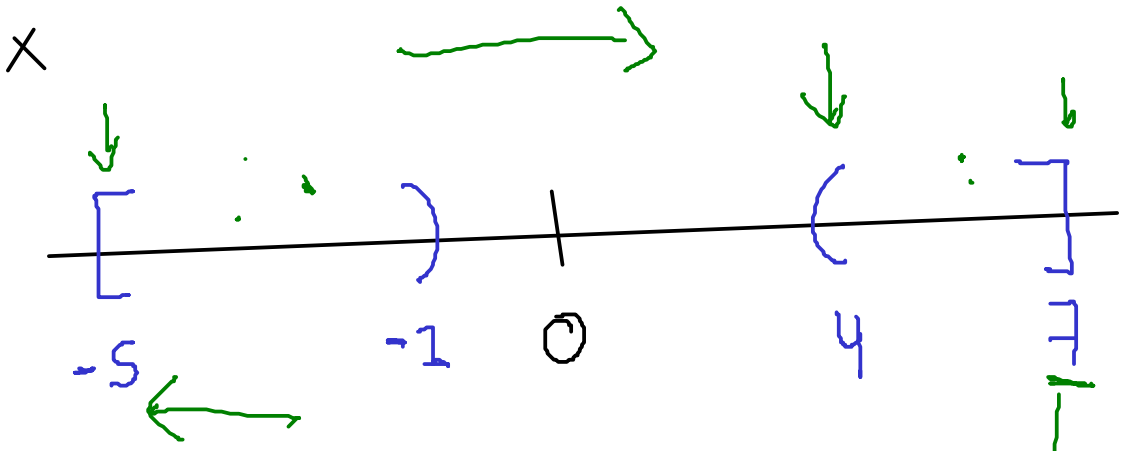
$x + y = 6$

$x = 3$

$y = 3$

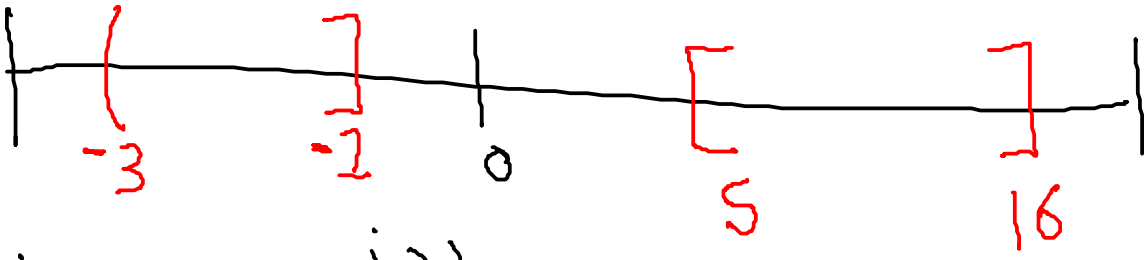
$x + z = 8$

Ranges [(

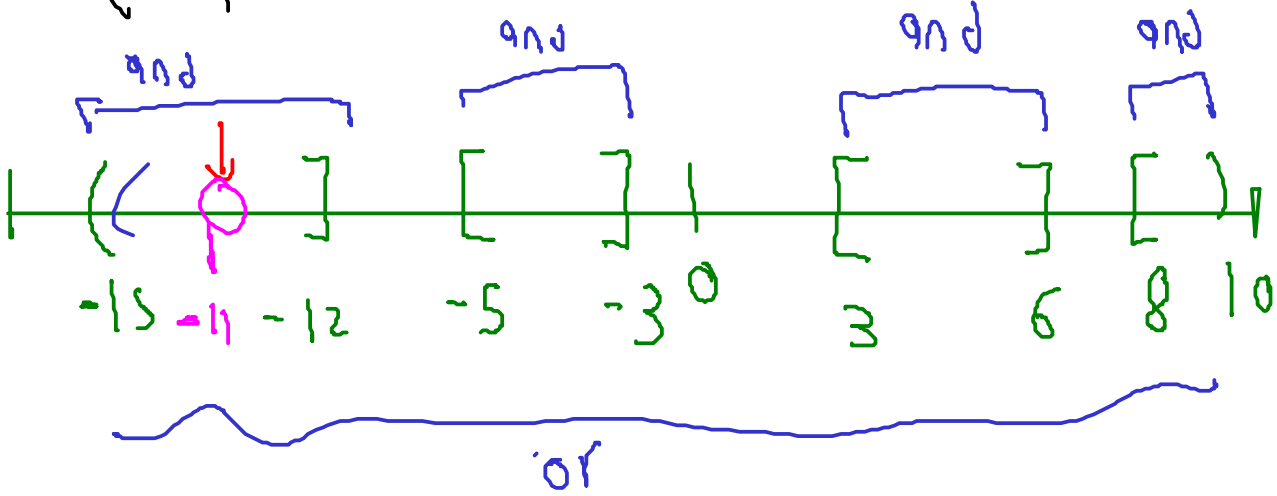


(define x 7)

```
(or (and (>= x -5) (< x -1))
    (and (> x 4) (<= x 7)))
```



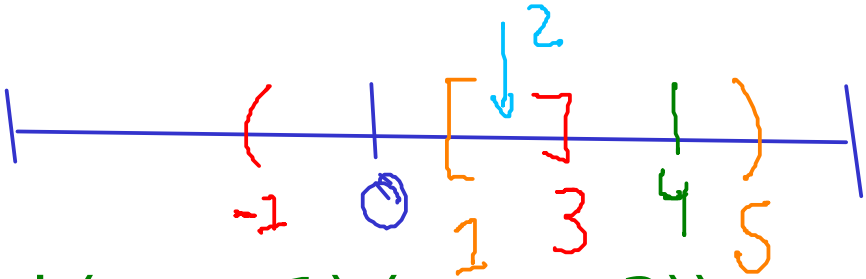
(define y 2)



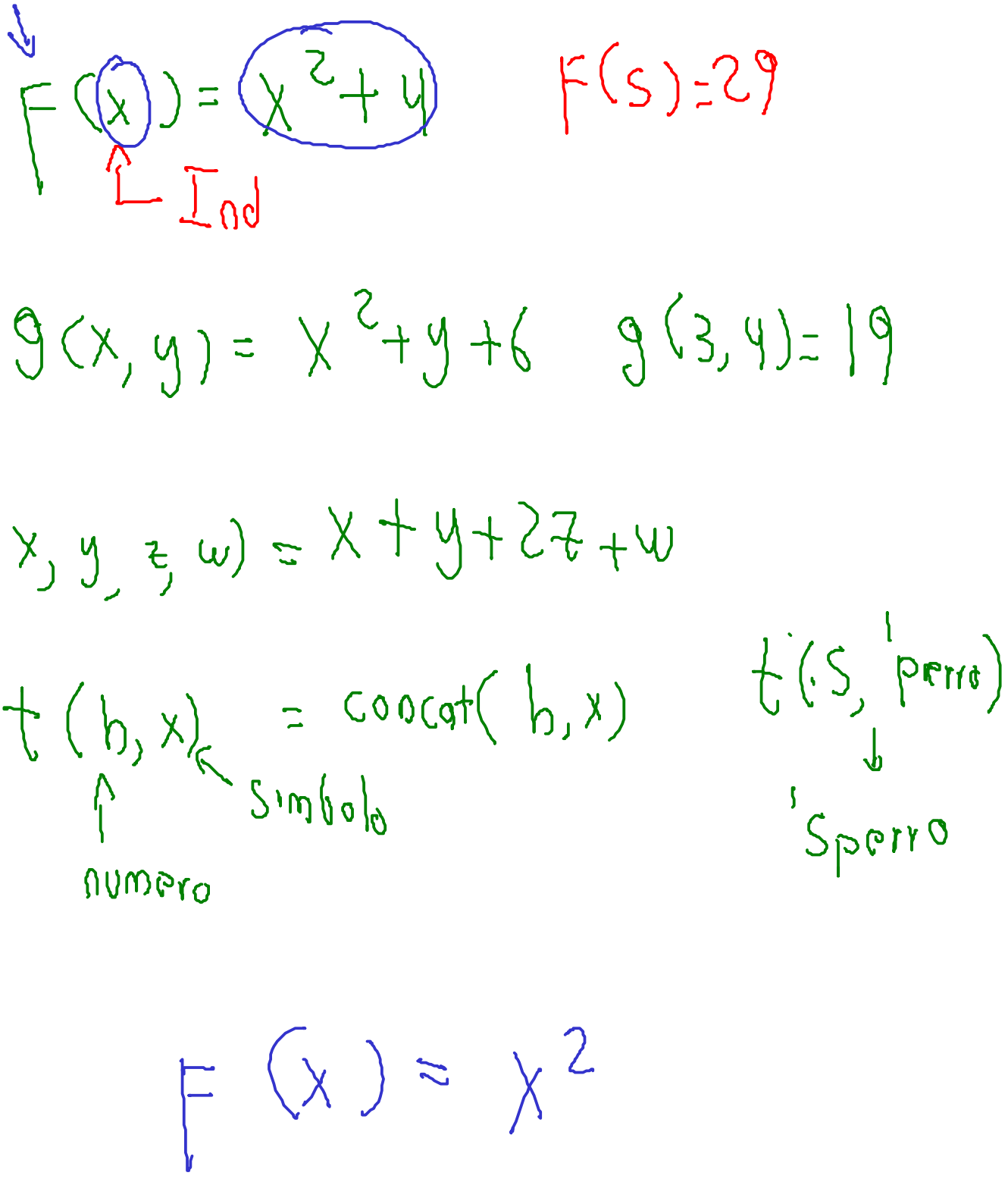
(and false true false)

(or false false false)

```
(or (and (> z -15) (<= z -12))
    (and (>=  z -5) (<= z -3))
    (and (>= z 3) (<= z 6))
    (and (>= z 8) (< z 10))
)
```

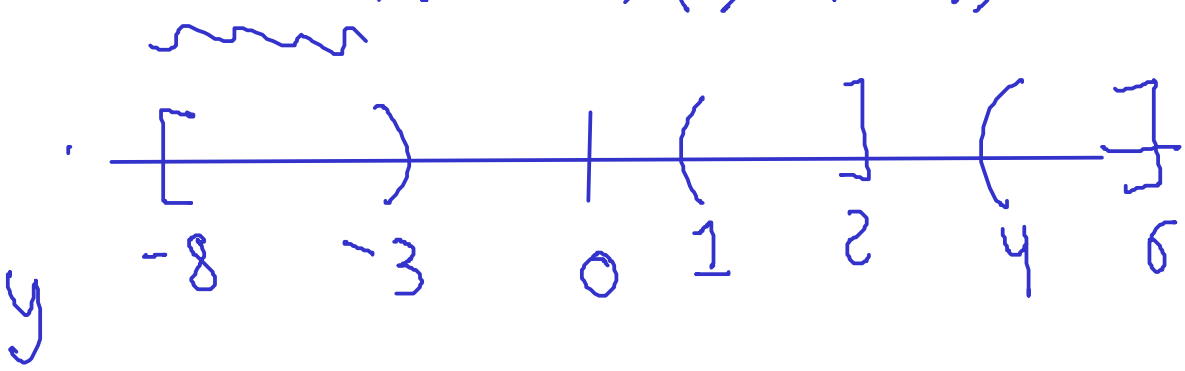


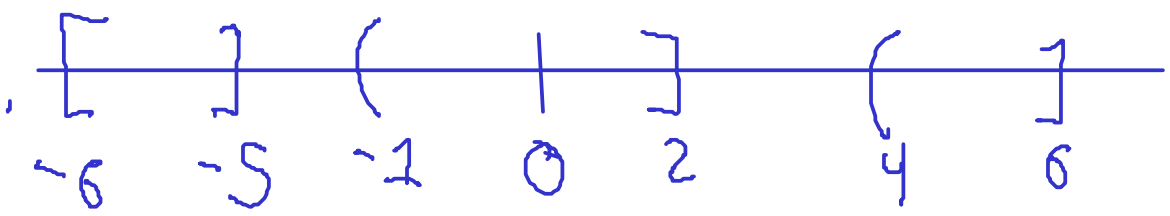

```
(or   (and (> w -1) (<= w 3))
      (and (>= w 1) (< w 5))
)
```




```
;;Autor: Carlos Delgado
;;Fecha: 04 de Feb 2019
;;Contrato: f: numero->numero
;;Propósito: Calcular el cuadrado de un
número
;;Ejemplos  (f 5) -> 25, (f 10) -> 100
```

$n \geq -8 \rightarrow (\geq\ n\ -8)$





$X \geq -8$ y $X < -3 \rightarrow$

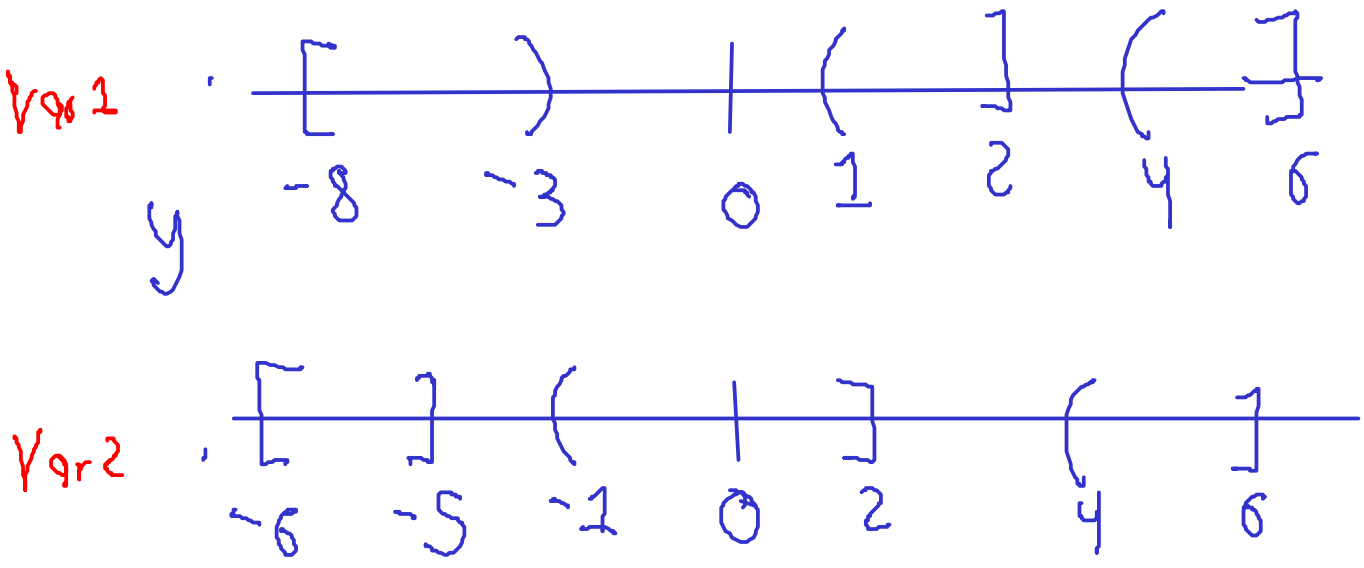
(and (≥ X -8) (< X -3))

$$f(x) = \begin{cases} \ln|x| & x \neq 0 \\ 0 & x = 0 \end{cases}$$

(cond [pregunta respuesta]
[pregunta respuesta]
⋮
[else respuesta])

booleano

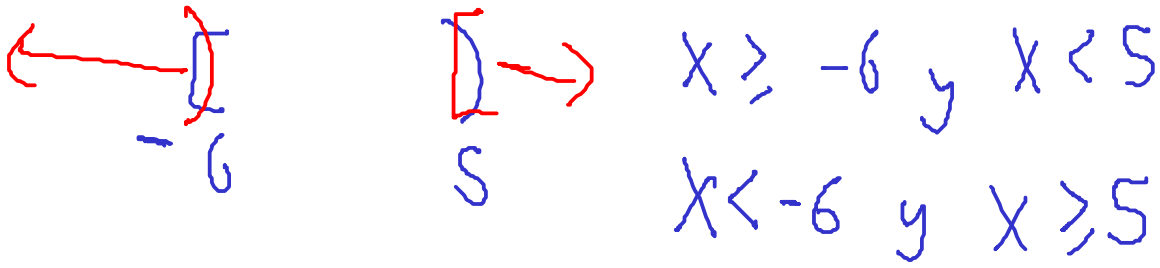
(if pregunta verdad falso)



https://pastebin.com/ikw52ghf

Si cumple el rango, va a preguntar
Si var1 > var2, retornar 2*Var1, si no va retornar 9*var1

Si no cumple el rango, va a preguntar
Si var1 < var2, retorna 3*Var1, si no va retorna 10*var2



Si las variables están en el rango

1) Si var1 > var2 retorna 2*var1
2) Si var1 = var2 retorna 3*var2
3) En otro caso retorna 5*var2

Si las variables no están en el rango

1) SI var1 > 2*var2 retorna 5*var1
2) Si var1 > var2 y var1 < 2*var2 retorna 6*var1
3) En otro caso retornar 7*var1