

$$Z_{\Omega} = \langle opnb_1 \rangle \mid \mid \langle opnb_2 \rangle; \Rightarrow$$

$$Z_{.ob1} = \langle opnb_1 \rangle;$$

$$Z_{.ob2} = \langle opnb_2 \rangle;$$

$$Z_{\Omega} = Z_{.ob1} + Z_{.ob2};$$

Ejemplo

$$Z_{.obf} = Y_5 < 3 \mid \mid F_5 != 19;$$

⇒

$$Z_{.ob1} = Y_5 < 3;$$

$$Z_{.ob2} = F_5 != 19;$$

$$Z_{.obf} = Z_{.ob1} + Z_{.ob2};$$

$$Z_{\Omega} = \langle opnb_1 \rangle \ \&\& \ \langle opnb_2 \rangle; \Rightarrow$$

$$Z_{.ob1} = \langle opnb_1 \rangle;$$

$$Z_{.ob2} = \langle opnb_2 \rangle;$$

$$Z_{\Omega} = Z_{.ob1} * Z_{.ob2};$$

Ejemplo

$$Z_{.obf} = Y_5 < 3 \ \&\& \ F_5 != 19;$$

⇒

$$Z_{.ob1} = Y_5 < 3;$$

$$Z_{.ob2} = F_5 != 19;$$

$$Z_{.obf} = Z_{.ob1} * Z_{.ob2};$$

$$Z_{\Omega} = \alpha \ \langle opdb_1 \rangle \ \gamma; \Rightarrow \quad Z_{\Omega} = \alpha > \theta \ \langle opdb_1 \rangle \ \gamma;$$

Ejemplo

$$Z_{.obf} = Y_5 \mid \mid F_5 != 19;$$

⇒

$$Z_{.obf} = Y_5 > 0 \mid \mid F_5 != 19;$$

$$Z_{\Omega} = !\alpha \langle opdb_1 \rangle \gamma; \Rightarrow Z_{\Omega} = \alpha == 0 \langle opdb_1 \rangle \gamma;$$

Ejemplo

$$Z_{.obf} = !Y_5 \ \&\& \ F_5 \ != \ 19;$$

 \Rightarrow

$$Z_{.obf} = Y_5 == 0 \ \&\& \ F_5 \ != \ 19;$$

$$Z_{\Omega} = \gamma \langle opdb_1 \rangle \langle opbs_1 \rangle; \Rightarrow Z_{\Omega} = \langle opbs_1 \rangle \langle opdb_1 \rangle \gamma;$$

Ejemplo

$$Z_{.obf} = F_5 \ != \ 19 \ \&\& \ Y_5;$$

 \Rightarrow

$$Z_{.obf} = Y_5 \ \&\& \ F_5 \ != \ 19;$$

$$Z_{\Omega} = \gamma \ || \ \delta \ || \Rightarrow \begin{array}{l} Z_{.or} = \gamma \ || \ \delta; \\ Z_{\Omega} = Z_{.or} \ || \end{array}$$

Ejemplo

$$Z_{.obf} = F_{12} < Y_4 \ || \ Y_5 < 19 \ || \ Y_5 > 23;$$

 \Rightarrow

$$Z_{.or} = F_{12} < Y_4 \ || \ Y_5 < 19;$$

$$Z_{.obf} = Z_{.or} \ || \ Y_5 > 23;$$

$$Z_{\Omega} = \gamma \ || \ \delta \ \&\& \ \eta \Rightarrow \begin{array}{l} Z_{.and} = \delta \ \&\& \ \eta; \\ Z_{\Omega} = \gamma \ || \ Z_{.and} \end{array}$$

Ejemplo

$$Z_{.obf} = F_{12} < Y_4 \ || \ F_{12} == 11 \ \&\& \ F_{33} > 87;$$

 \Rightarrow

$$Z_{.and} = F_{12} == 11 \ \&\& \ F_{33} > 87;$$

$$Z_{.obf} = F_{12} < Y_4 \ || \ Z_{.and};$$

$$Z_{\Omega} = \gamma \ \&\& \ \delta \ \langle opdb_1 \rangle \Rightarrow \begin{array}{l} Z_{\text{.and}} = \gamma \ \&\& \ \delta; \\ Z_{\Omega} = Z_{\text{.and}} \ \langle opdb_1 \rangle \end{array}$$

Ejemplo

$$Z_{\text{.obf}} = Y_{32} \leq 5 \ \&\& \ Y_{33} > 11 \ \&\& \ Y_{34} > 20;$$
 \Rightarrow

$$\begin{array}{l} Z_{\text{.obf}} = Y_{32} \leq 5 \ \&\& \ Y_{33} > 11; \\ Z_{\text{.obf}} = Z_{\text{.and}} \ \&\& \ Y_{34} > 20; \end{array}$$

Estructuras de control

$$\langle rest_b \rangle \rightarrow \varepsilon \mid \langle opdb \rangle \gamma \langle rest_b \rangle$$

$$\langle exp_b \rangle \rightarrow \gamma \langle rest_b \rangle$$

$$\text{if}(\langle opbs_1 \rangle) \Rightarrow \text{if}(\langle opbs_1 \rangle || 0)$$

Ejemplo

```
if(!Y3){
    Y21 = 16;
}
```

 \Rightarrow

```
if(!Y3 || 0){
    Y21 = 16;
}
```

 \Rightarrow
 \dots
 \Rightarrow

```
if(0 > 0 || Y3 == 0){
    Y21 = 16;
}
```