


# PATRONES DE RAZONAMIENTO EN LOGICA PROPOSICIONAL:

MODUS PONENS  $\rightarrow \frac{\alpha \Rightarrow \beta \quad \alpha}{\beta}$

ELIMINACIÓN  $\rightarrow \frac{\alpha \wedge \beta}{\alpha}$

LITERALES  $\rightarrow \frac{\lambda_1 \vee \dots \vee \lambda_k \quad m}{\lambda_1 \vee \dots \vee \lambda_k}$  (RESOLUCIÓN)

FACTORIZACIÓN  $\rightarrow \frac{P_{1,1} \vee P_{3,1} \quad \neg P_{1,1} \vee P_{2,2}}{P_{3,1} \vee P_{2,2}}$

PROBADO  $\rightarrow$  WUMPU 

ALGORITMOS  $\rightarrow$ 

HACIA ADELANTE  
HACIA ATRAS

BÚSQUEDA LOCAL

RESOLUCIÓN

$$I = S_1$$

$$I \rightarrow C$$

$$\bar{D} \wedge \bar{C} \rightarrow \bar{O}$$

$$\bar{O} \wedge \bar{K} \rightarrow \bar{B}$$

$$\bar{F} \rightarrow \bar{E}$$

$$E \rightarrow N$$

BH

$$D = S_1$$

$$J = S_1$$

$$K = S_1$$

$$F = S_1$$

$$I = S_1$$

$$\bar{C} = S_1$$

$$O = S_1$$

$$B = S_1$$

$$E = S_1$$

$$N = S_1$$

$$I = S_1$$

$$I \rightarrow C$$

$$\bar{D} \wedge \bar{C} \rightarrow \bar{O}$$

$$\bar{O} \wedge \bar{K} \rightarrow \bar{B}$$

$$B = S_1$$

$$F \rightarrow E$$

$$E \rightarrow N$$

$$BH$$

$$D = S_1$$

$$J = S_1$$

$$K = S_1$$

$$F = S_1$$

$$I = S_1$$

$$C = S_1$$

$$O = S_1$$

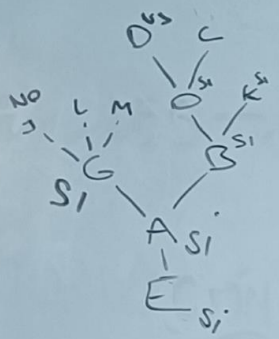
$$B = S_1$$

$$E = S_1$$

$$N = S_1$$



- R1  $A \rightarrow E$
- R4  $G \vee B \rightarrow A$
- R3  $O \vee K \rightarrow B$
- R8  $D \vee L \rightarrow O$
- R5  $J \vee L \vee M \rightarrow G$



BA

- $J = NO \ U$
- $D = NULL \ U$
- $O = SI \ U$
- $K = SI \ U$
- $B = SI \ R3$
- $G = SI \ U$
- $A = SI \ R4$
- $E = SI \ R1$

USUARIO

- $G = SI$
- $O = SI$
- $K = SI$