

Para el desarrollo de los quince primeros talleres de Pensamiento Lógico vas a imaginar un universo que solamente tiene los siguientes objetos reales:

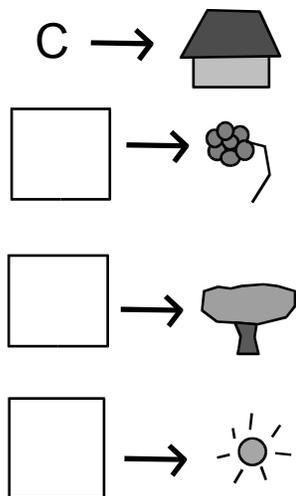


El juego consiste en llenar cada cuadro vacío con el dibujo de una sola cosa que puede ser una letra, una flecha o un objeto, de acuerdo con las reglas.

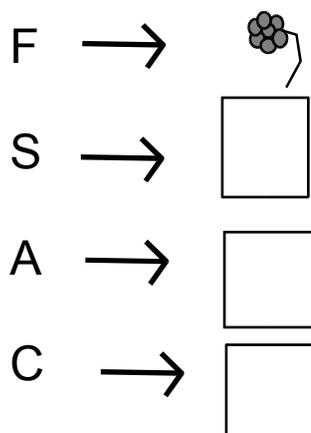
En cada renglón van siempre en orden, de izquierda a derecha: letra, flecha, objeto.

Las nuevas reglas se deben deducir de los ejemplos.

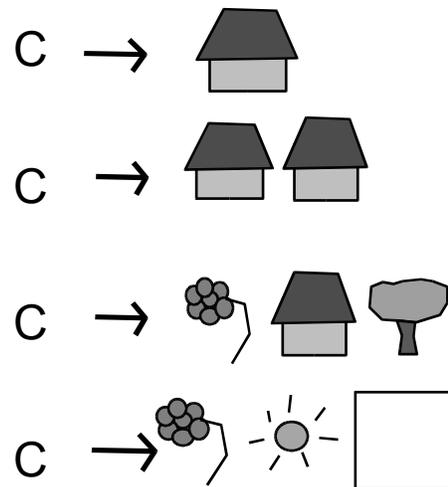
1. Te doy un ejemplo y tú continúas:



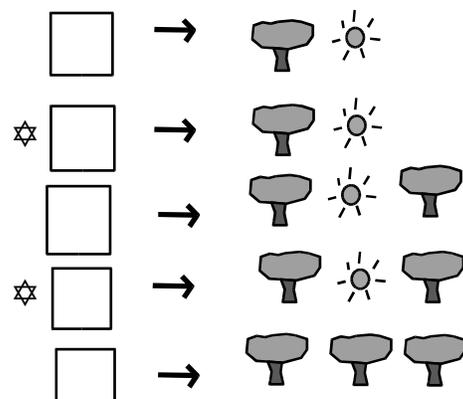
2. Ahora dibujamos los objetos:



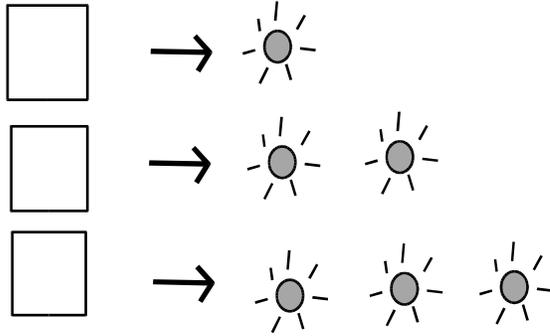
3. Más ejemplos:



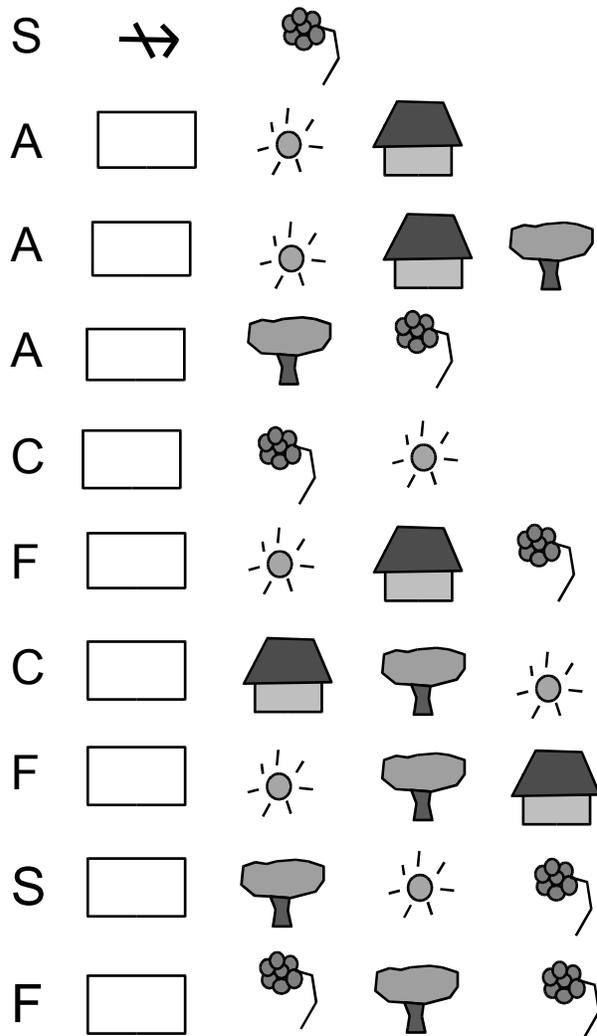
4. El signo ☆ significa que debes dibujar otra respuesta diferente de la anterior y también buena.



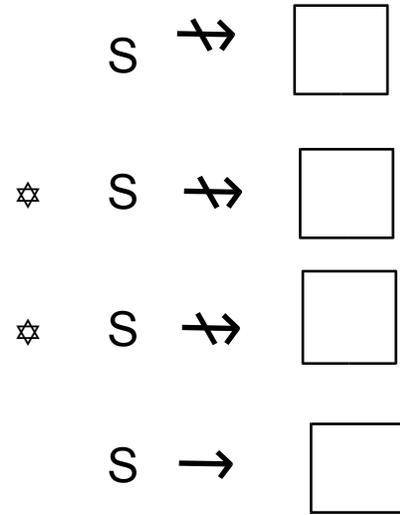
1. Continúa dibujando lo que falta.



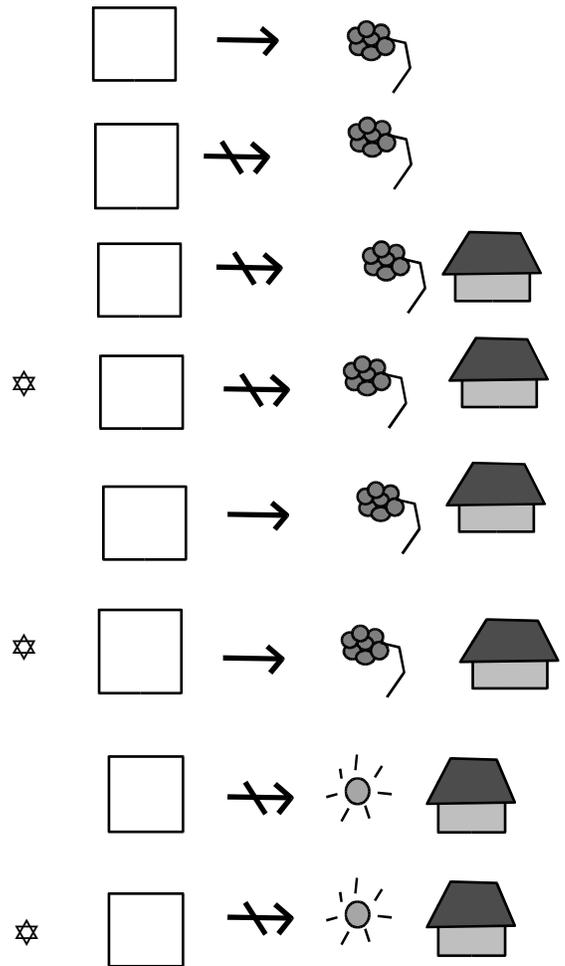
2. Ahora dibuja flechas
¡¡¡ Ojo con el signo nuevo!!!



3. Dibuja...

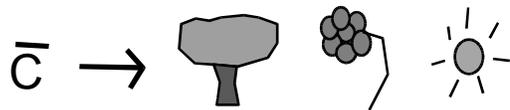
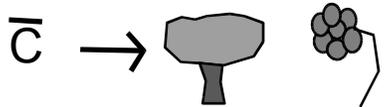
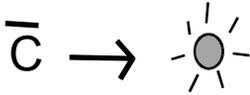
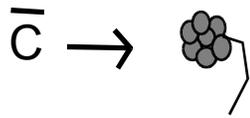


4. Letras...

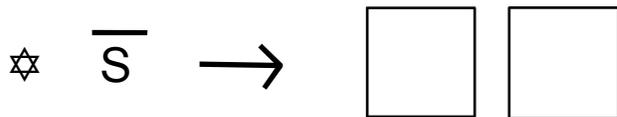
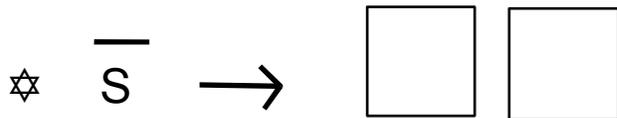
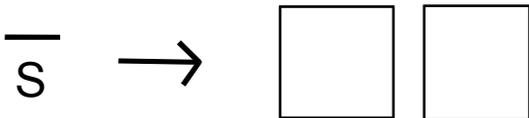
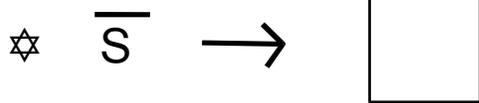


OJO! Otro signo:

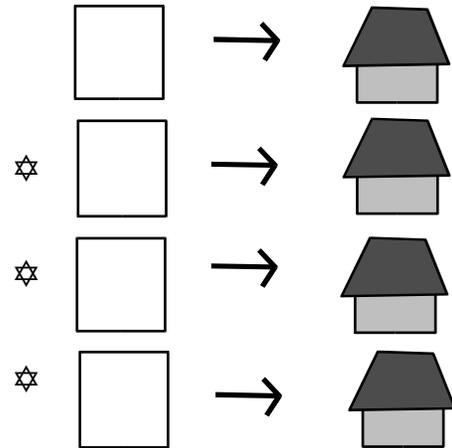
1. Observa los ejemplos:



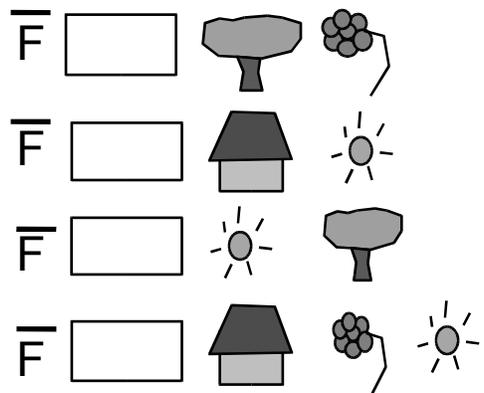
2. Dibuja los objetos....



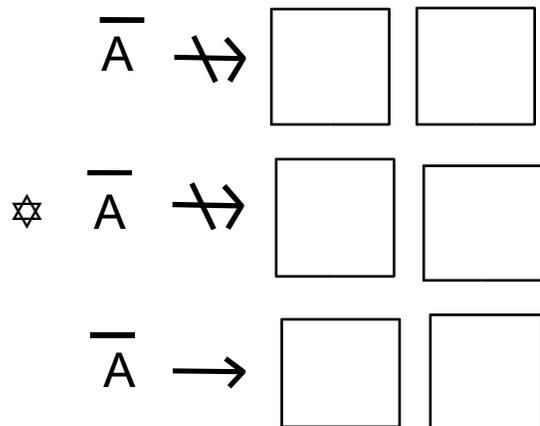
3. Dibuja letras con o sin signo...



4. Dibuja las flechas ...

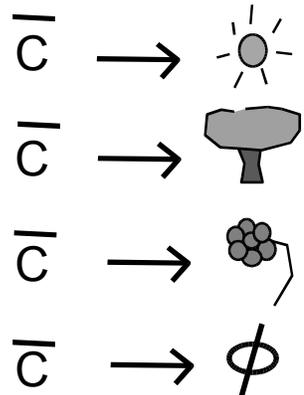


5. Los objetos ...

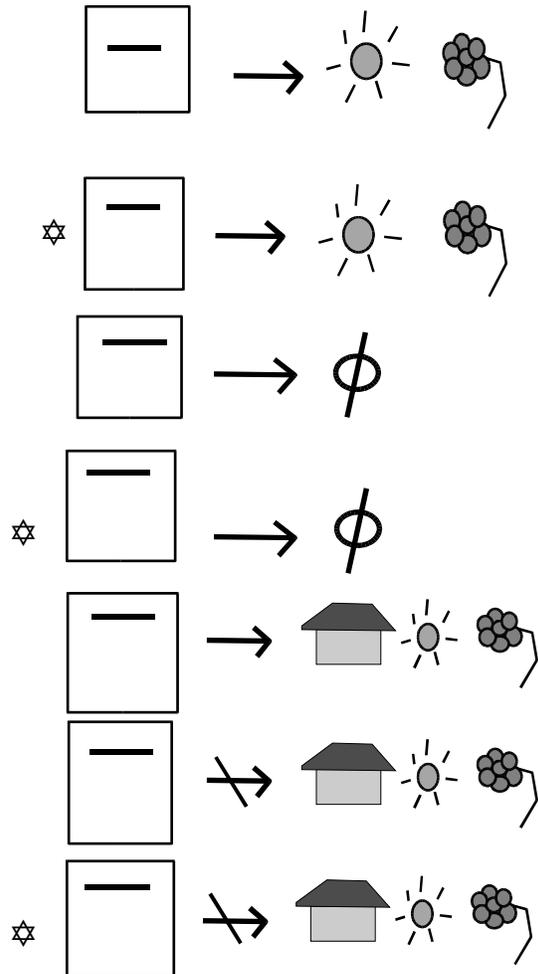


OJO!! Cuando veas esto ϕ dices **"nada"**

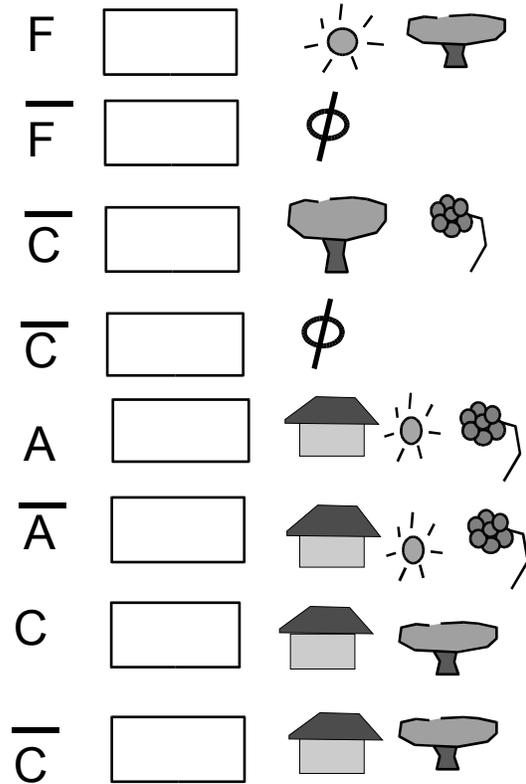
1. Ejemplos:



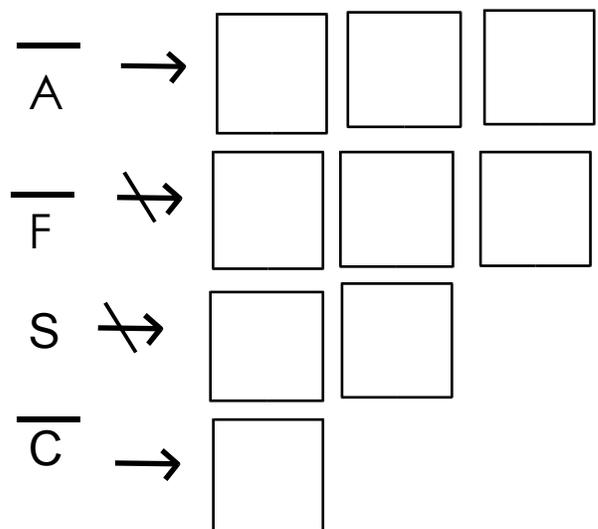
2. Letras ...



3. Las flechas...

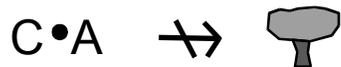
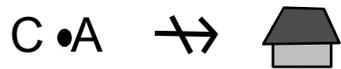


4. Dibuja objetos

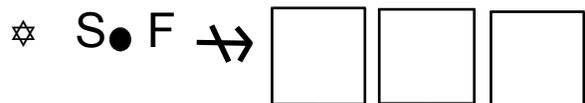
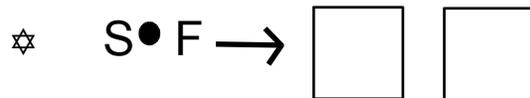
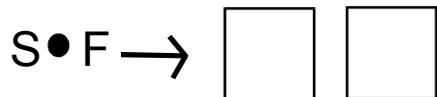


Regla: Cuando aparece el símbolo ϕ siempre aparece solo.
NO se admite dibujar otra cosa al lado de él.

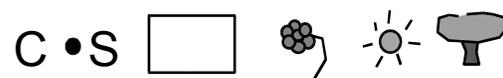
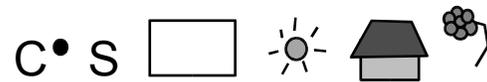
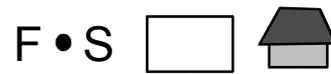
1. Ejemplos de otro signo nuevo.



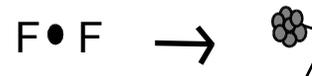
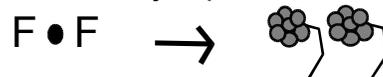
2. Dibuja lo que falta



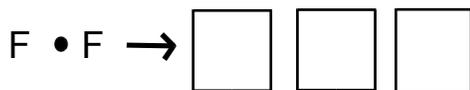
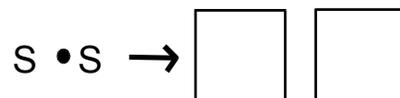
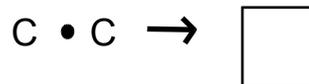
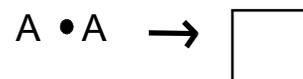
3. Flechas ...



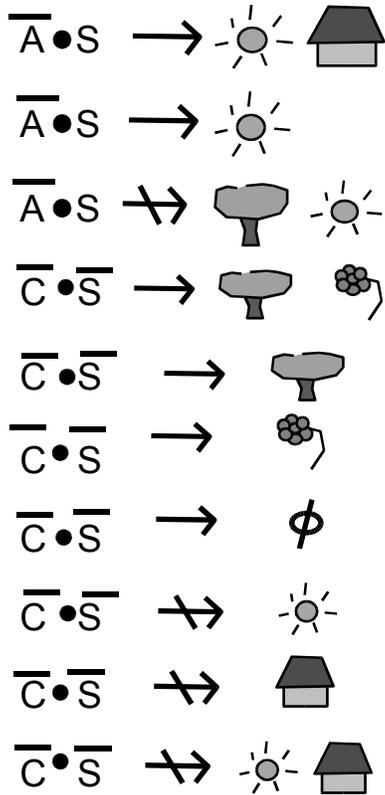
4. Nuevos ejemplos...



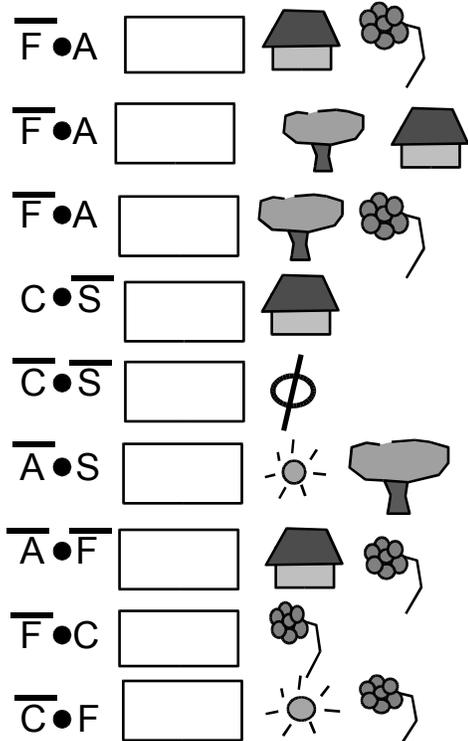
5. Dibuja objetos



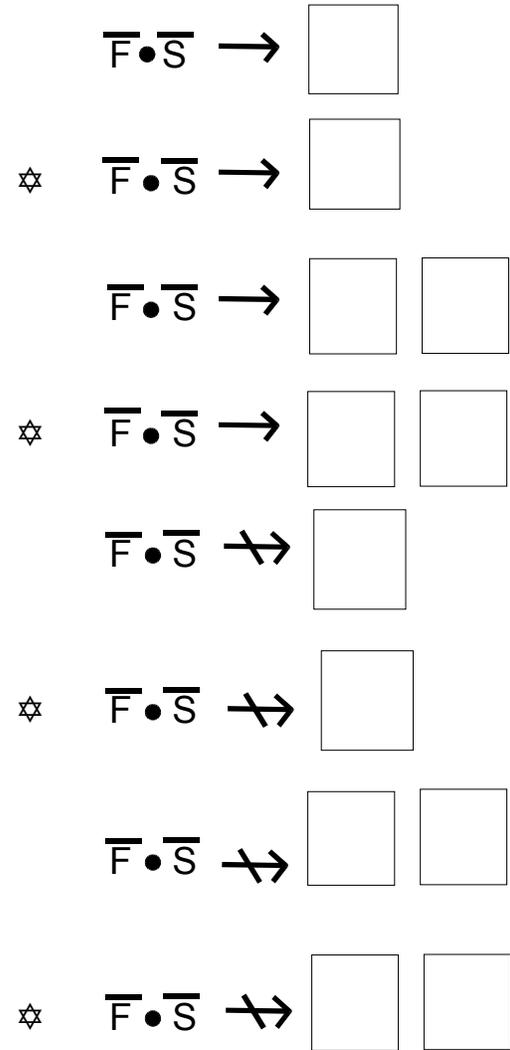
1. Observa con atención los ejemplos:



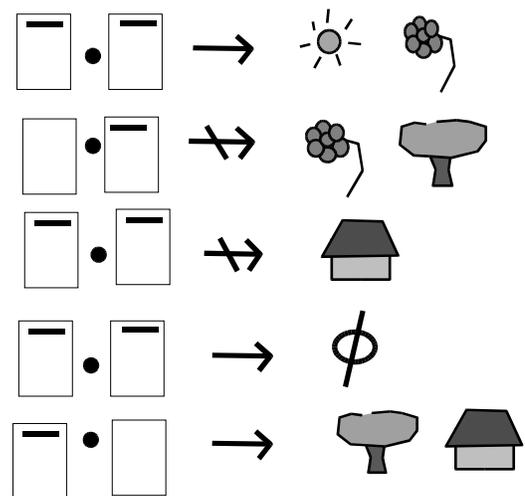
2. Flechas...



3. Dibuja los objetos:

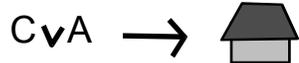
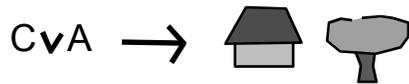
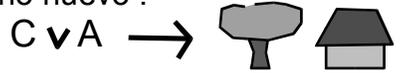


4. Letras...

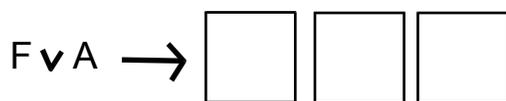
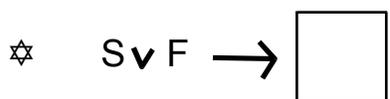
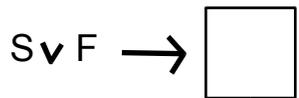
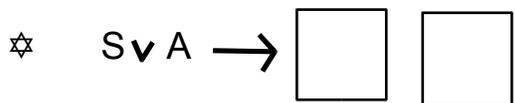
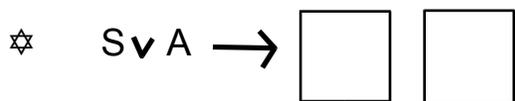
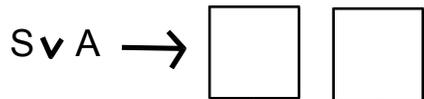


1. Observa los ejemplos

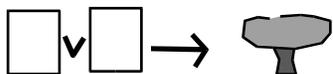
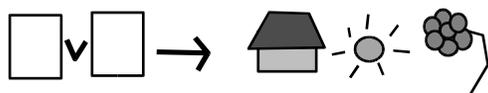
Signo nuevo !



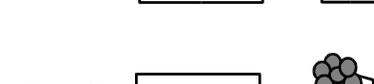
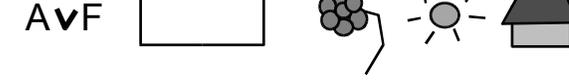
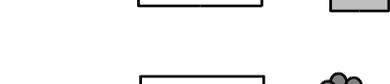
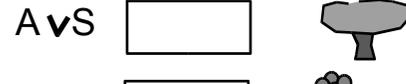
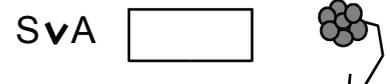
2. Dibuja objetos...



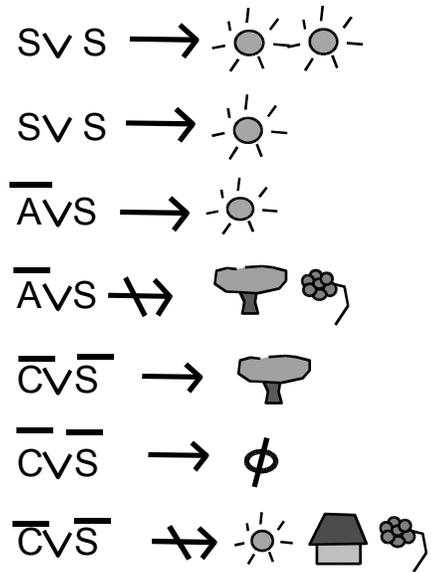
3. Dibuja letras ...



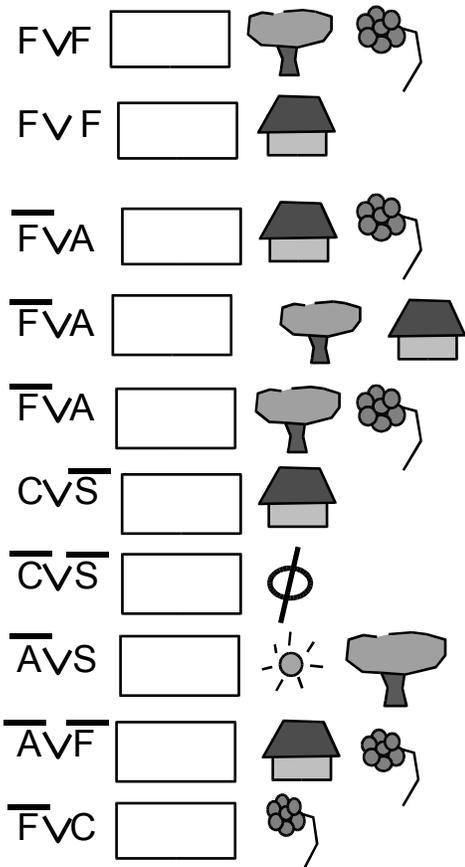
4. Dibuja las flechas ...



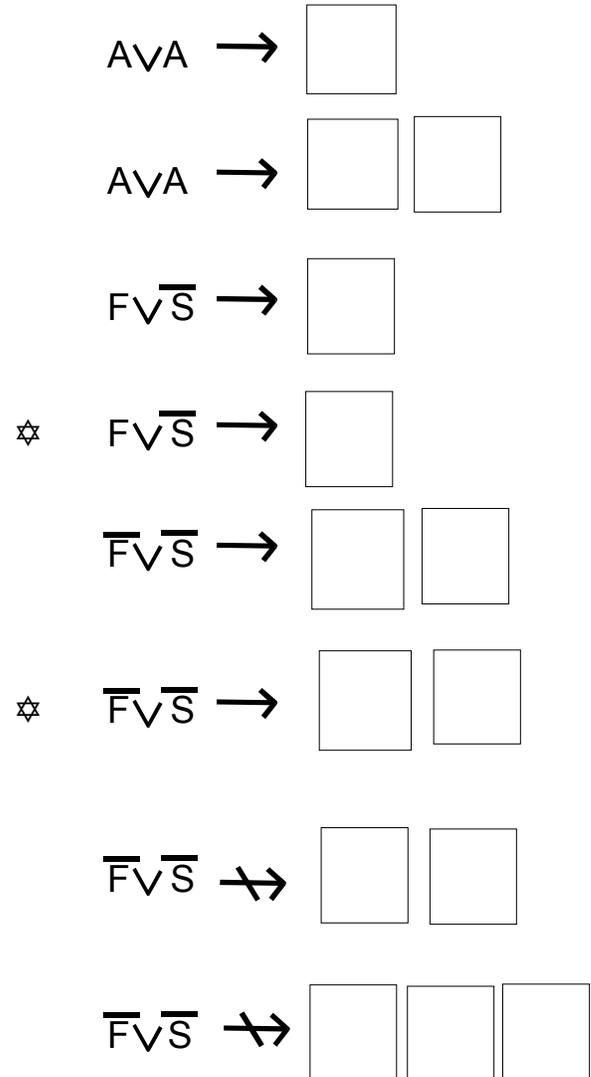
1. Observa con atención los ejemplos:



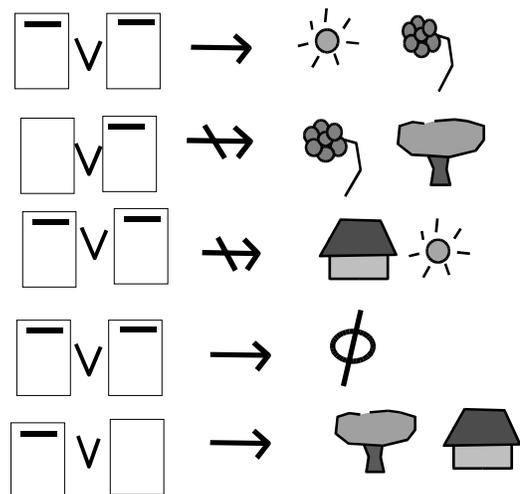
2. Flechas...



3. Dibuja los objetos:



4. Letras...



1. Observa y compara entre sí cada par de ejemplos consecutivos

$\overline{C \bullet S} \rightarrow$ \rightarrow \rightarrow $\overline{C \bullet S}$
 $\overline{C \bullet S} \rightarrow$ \rightarrow $\overline{C \bullet S}$
 $\overline{C \bullet A} \rightarrow$ \rightarrow \rightarrow $\overline{C \bullet A}$
 $\overline{C \bullet A} \rightarrow$ \rightarrow $\overline{C \bullet A}$
 $\overline{A \bullet S} \rightarrow$ \rightarrow \rightarrow $\overline{A \bullet S}$
 $\overline{A \bullet S} \rightarrow$ \rightarrow $\overline{A \bullet S}$
 $\overline{C \bullet F} \rightarrow$ \rightarrow \rightarrow $\overline{C \bullet F}$
 $\overline{C \bullet F} \rightarrow$ \rightarrow $\overline{C \bullet F}$
 $\overline{F \bullet S} \rightarrow$ \emptyset
 $\overline{F \bullet S} \rightarrow$ \emptyset

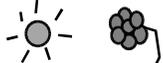
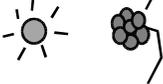
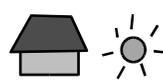
2. Dibuja flechas...

$\overline{A \bullet F}$
 $\overline{A \bullet A}$
 $\overline{F \bullet S}$
 $\overline{C \bullet F}$
 $\overline{F \bullet F}$

3. Dibuja objetos (sin repetir en cada fila).

$\overline{A \bullet F} \rightarrow$
 $\overline{A \bullet F} \rightarrow$
 $\overline{A \bullet S} \rightarrow$
 $\overline{A \bullet S} \rightarrow$
 $\star \overline{A \bullet S} \rightarrow$
 $\overline{S \bullet F} \rightarrow$
 $\overline{S \bullet F} \rightarrow$
 $\overline{A \bullet C} \rightarrow$
 $\overline{A \bullet C} \rightarrow$
 $\star \overline{A \bullet C} \rightarrow$
 $\star \overline{A \bullet C} \rightarrow$
 $\overline{C \bullet C} \rightarrow$
 $\overline{C \bullet C} \rightarrow$
 $\star \overline{C \bullet C} \rightarrow$

1. Observa y compara entre sí cada par de ejemplos consecutivos

$C \vee S \rightarrow$ 
 $\overline{C \vee S} \rightarrow$ 
 $C \vee A \rightarrow$ 
 $\overline{C \vee A} \rightarrow$ 
 $A \vee S \rightarrow$ 
 $\overline{A \vee S} \rightarrow$ 
 $C \vee F \rightarrow$ 
 $\overline{C \vee F} \rightarrow$ 
 $F \vee S \rightarrow$ 
 $\overline{F \vee S} \rightarrow$ 

2. Dibuja flechas

$\overline{A \vee F}$ 
 $\overline{A \vee A}$ 
 $\overline{F \vee S}$ 
 $\overline{C \vee F}$ 
 $\overline{F \vee F}$ 

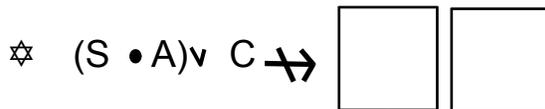
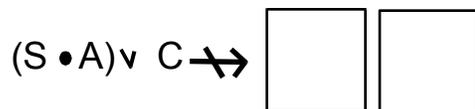
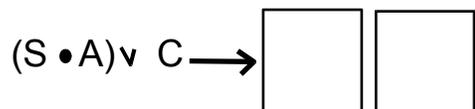
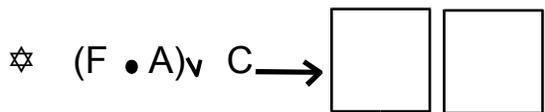
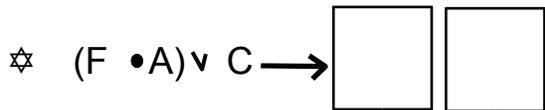
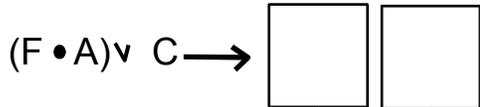
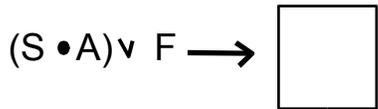
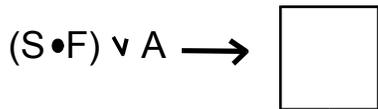
3. Dibuja objetos (sin repetir en cada fila).

$A \vee F \rightarrow$
 $\overline{S \vee F} \rightarrow$
 $A \vee C \rightarrow$
 $\overline{C \vee F} \rightarrow$
 $\overline{S \vee F} \rightarrow$
 $\overline{S \vee F} \rightarrow$
 $\overline{A \vee C} \rightarrow$
 $\star \overline{A \vee C} \rightarrow$
 $\star \overline{A \vee C} \rightarrow$
 $\overline{A \vee C} \rightarrow$
 $\overline{C \vee C} \rightarrow$
 $\overline{C \vee C} \rightarrow$
 $\star \overline{C \vee C} \rightarrow$

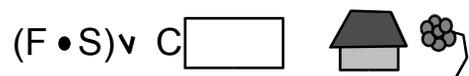
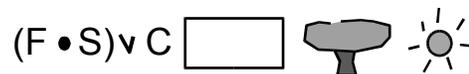
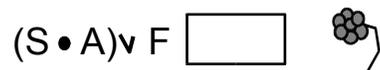
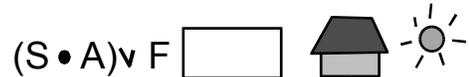
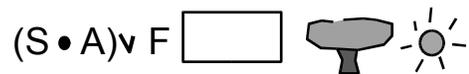
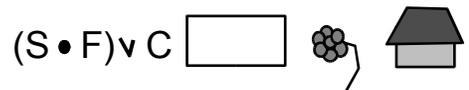
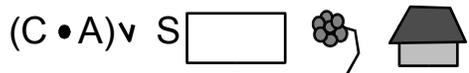
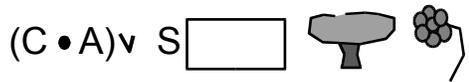
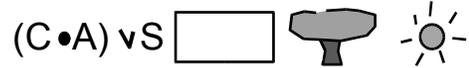
1. Observa el uso de paréntesis



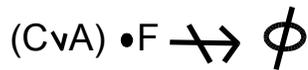
2. Dibuja objetos...



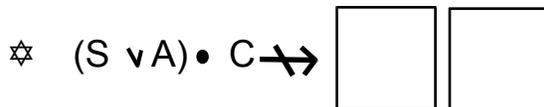
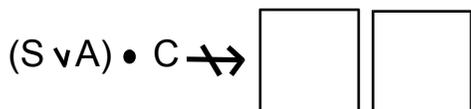
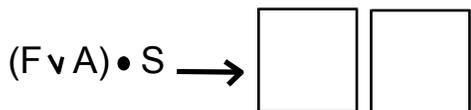
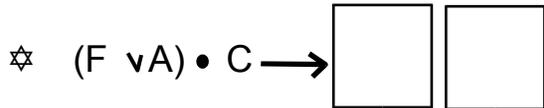
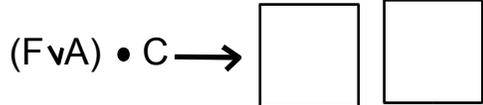
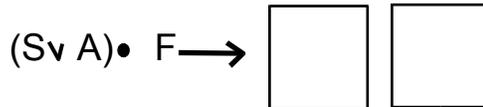
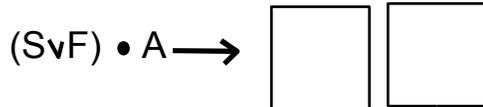
3. Dibuja las flechas ...



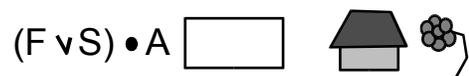
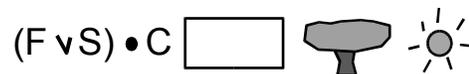
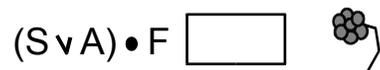
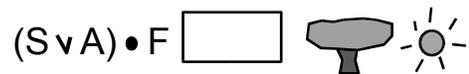
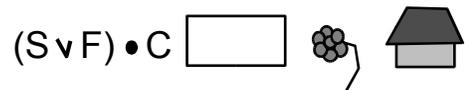
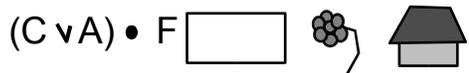
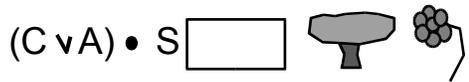
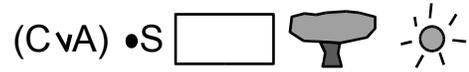
1. Observa el uso de paréntesis



2. Dibuja objetos...



3. Dibuja las flechas ...



1. Dibuja las flechas

$(C \vee A) \bullet \bar{F}$  

$(C \vee A) \bullet \bar{F}$ 

$(C \vee A) \bullet \bar{F}$   

$(C \vee A) \bullet \bar{F}$ ϕ

2. Dibuja objetos...

$(S \vee F) \bullet \bar{A} \rightarrow$

$(\bar{S} \vee A) \bullet F$

$(F \vee A) \bullet \bar{C} \rightarrow$

$(F \bullet A) \vee \bar{C} \rightarrow$

$(F \vee \bar{A}) \bullet C \rightarrow$

$(C \bullet A) \vee \bar{F} \rightarrow$

$(\bar{C} \vee A) \bullet F \rightarrow$

$(C \bullet \bar{A}) \vee F \rightarrow$

3. Las flechas ...

$(C \vee A) \bullet (S \vee F)$  

$(C \vee A) \bullet (S \vee F)$  

$\overline{(C \bullet A)} \vee (S \bullet F)$ 

$(C \bullet A) \vee (F \bullet S)$  

$\overline{(S \vee F)} \bullet (C \vee A)$ ϕ

$(S \bullet F) \vee (C \bullet A)$  

$\overline{(S \vee A)} \bullet F$ 

$(S \vee A) \bullet \bar{F}$  

$(S \bullet A) \vee \bar{F}$ 

$\overline{(S \vee A)} \bullet F$ ϕ

$\overline{(S \vee A)} \bullet F$ 

$(A \vee S) \bullet C$  

$\overline{(A \bullet S)} \vee C$  

Ejercicios de repaso

Sigue las reglas y dibuja

1. Letras

$\overline{A \cdot B} \rightarrow$  

$\star \overline{A \cdot B} \rightarrow$  

$\star \overline{A \cdot B} \rightarrow$  

$\overline{A \cdot B} \not\rightarrow$  

$\overline{A \vee B} \rightarrow$  

$\overline{A \vee B} \not\rightarrow$  

$\star \overline{A \vee B} \not\rightarrow$  

$\star \overline{A \vee B} \not\rightarrow$  

2. Flechas ...

$A \cdot \bar{C}$ ϕ

$\bar{F} \cdot \bar{C}$ ϕ

$A \vee \bar{C}$ ϕ

$\bar{F} \vee \bar{C}$ ϕ

3. Objetos

$(F \vee S) \cdot \bar{C} \rightarrow$

$\overline{(F \vee S)} \cdot C \rightarrow$

$(F \cdot S) \vee \bar{C} \rightarrow$

$\star (F \cdot S) \vee \bar{C} \rightarrow$

$\overline{(F \cdot S)} \vee C \not\rightarrow$

$\overline{(C \vee A)} \vee F \not\rightarrow$

$(C \cdot A) \cdot \bar{F} \not\rightarrow$

$\overline{(S \cdot A)} \cdot F \rightarrow$

$\star \overline{(S \cdot A)} \cdot F \rightarrow$

$\overline{(F \cdot S)} \cdot A \rightarrow$

$\overline{(F \vee S)} \vee A \rightarrow$

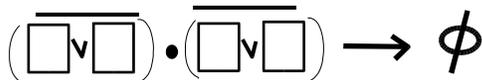
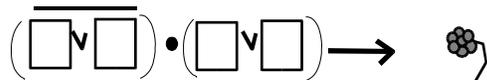
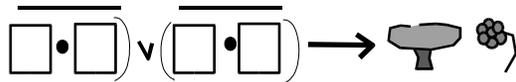
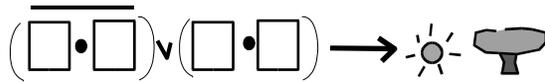
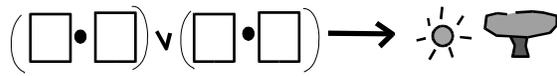
$\star \overline{(F \vee S)} \vee A \rightarrow$

$\star \overline{(F \vee S)} \vee A \rightarrow$

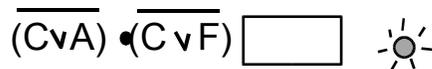
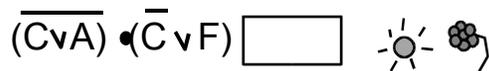
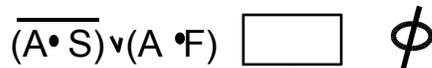
Ejercicios de repaso

Sigue las reglas y dibuja:

1. Letras



2. Flechas ...



3. Objetos

