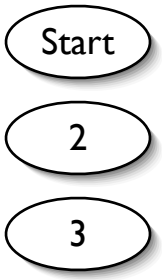
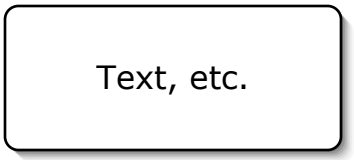
Legend:

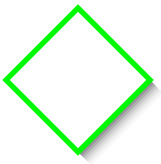
State markers:



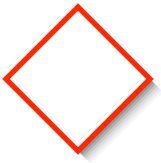
User visible content and interface:



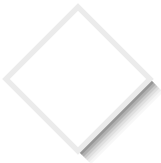
Correct move:



Incorrect move:

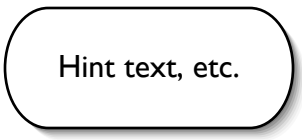


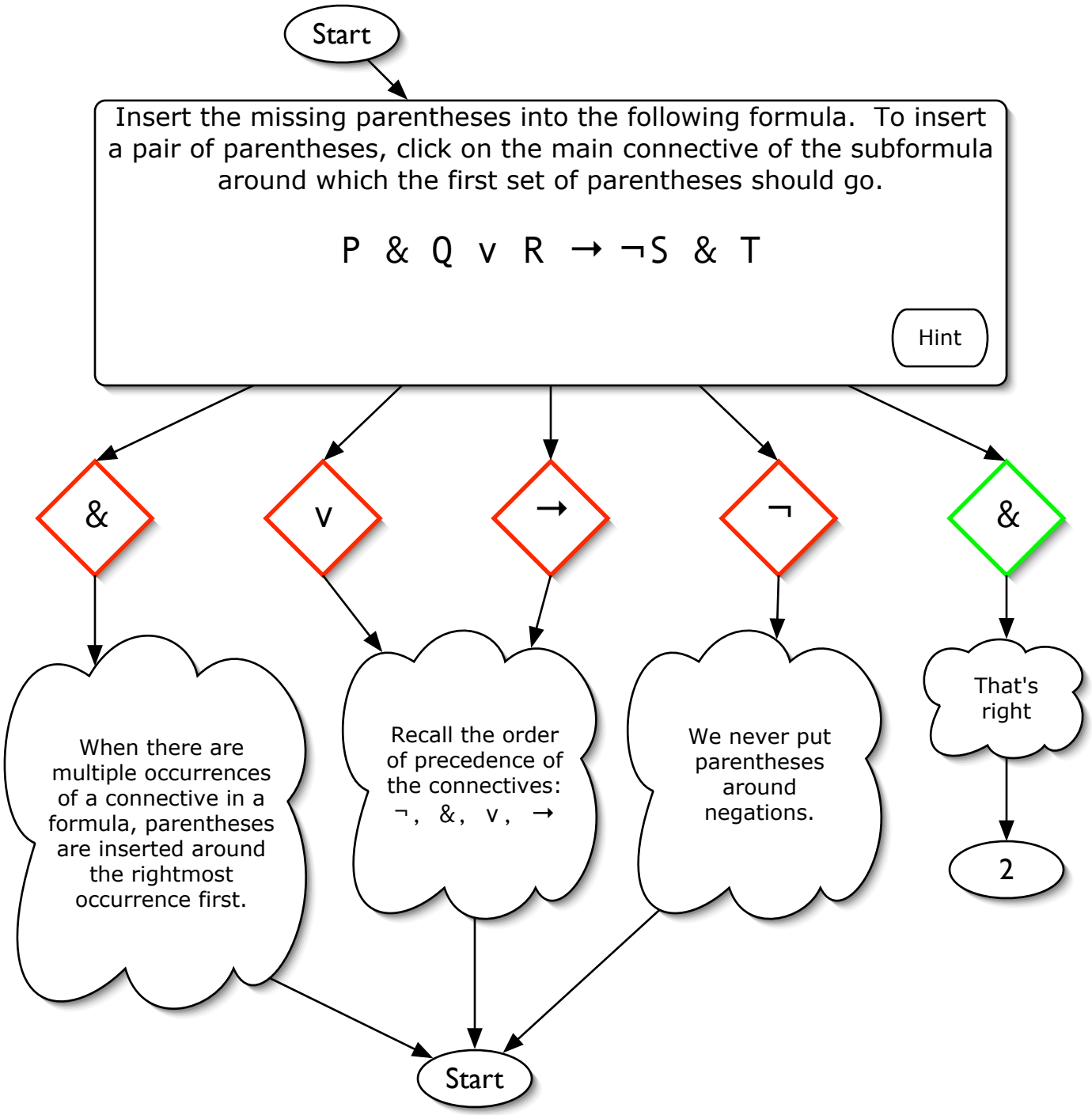
Disabled move:

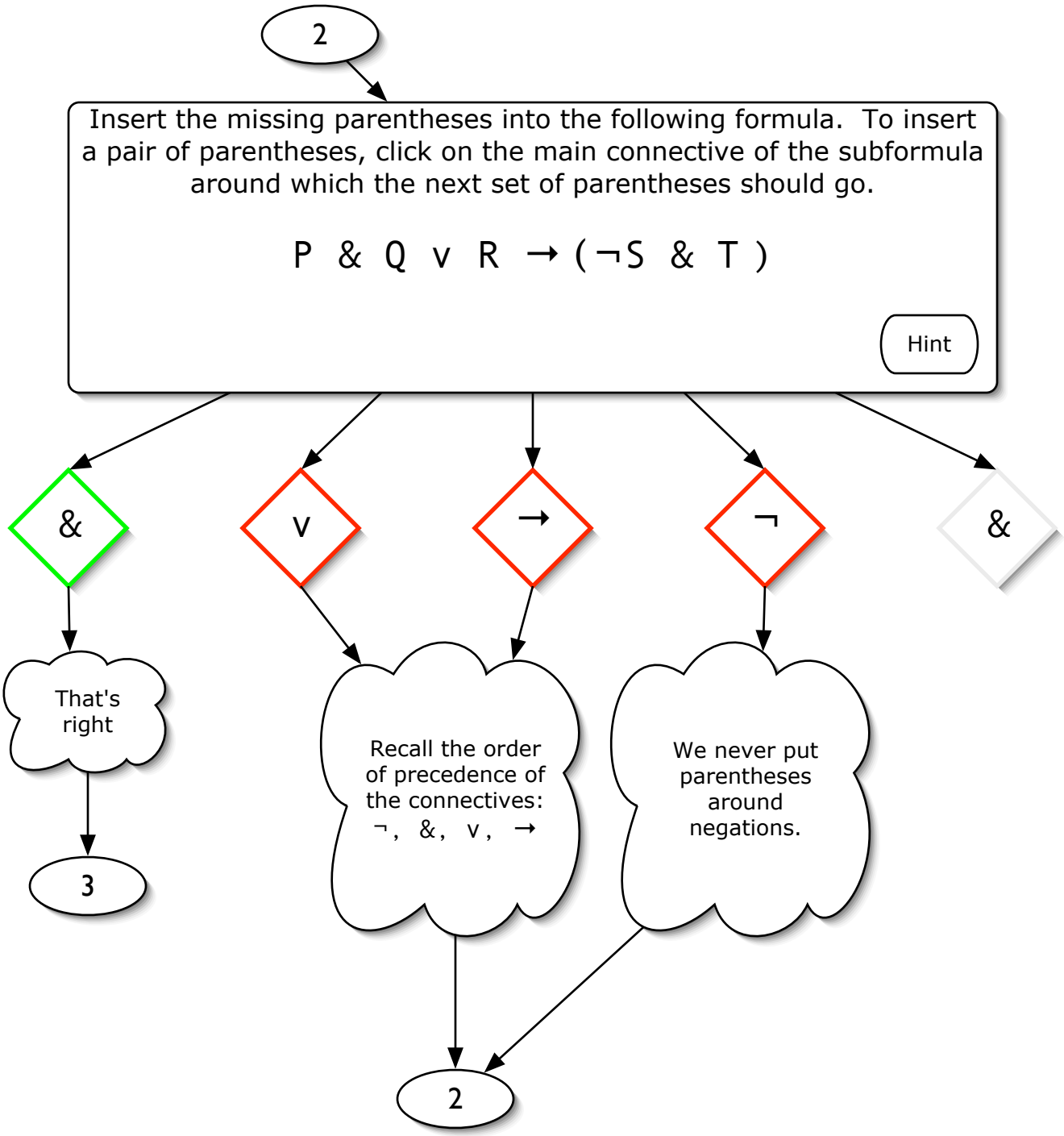


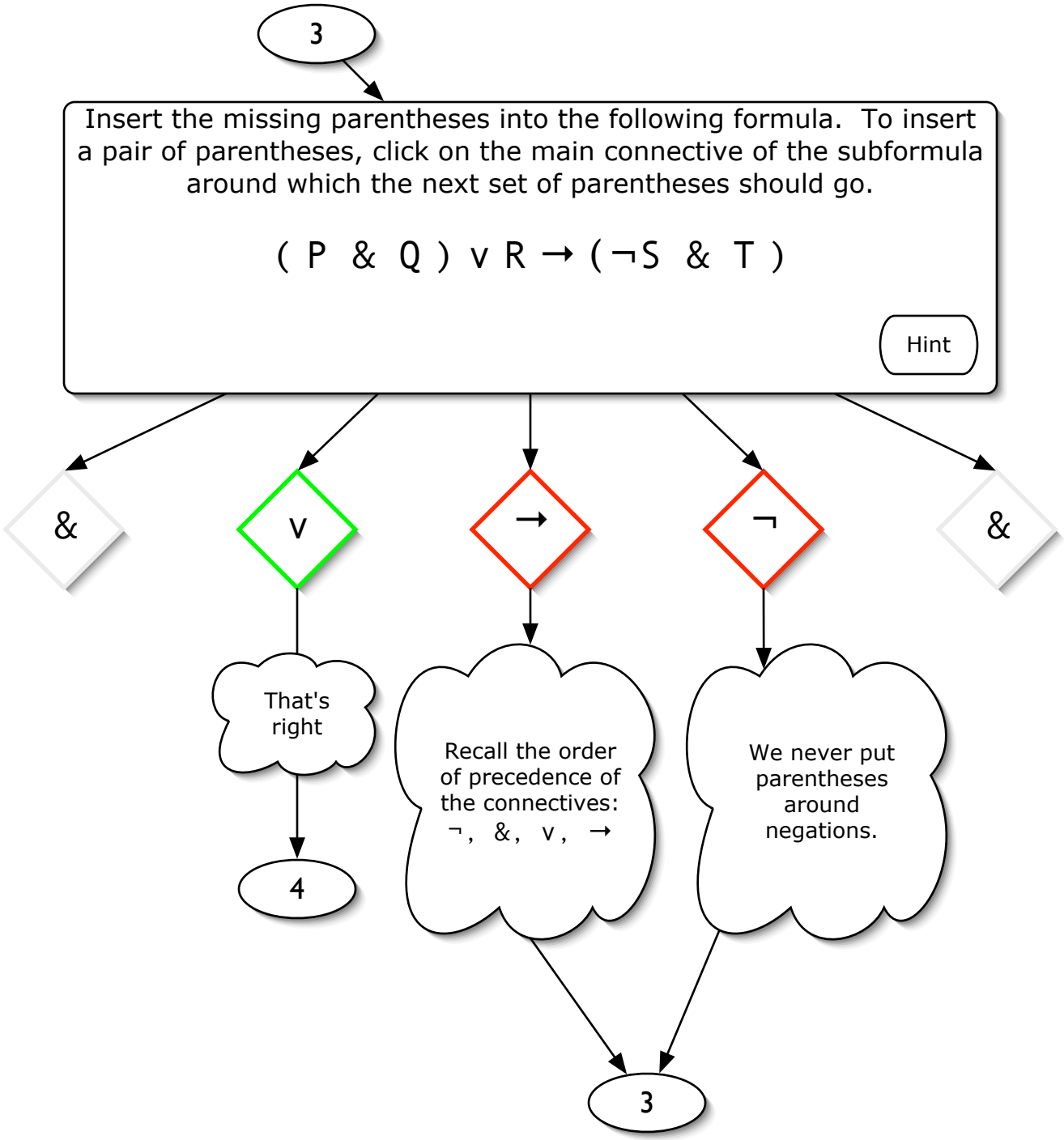
Feedback content:

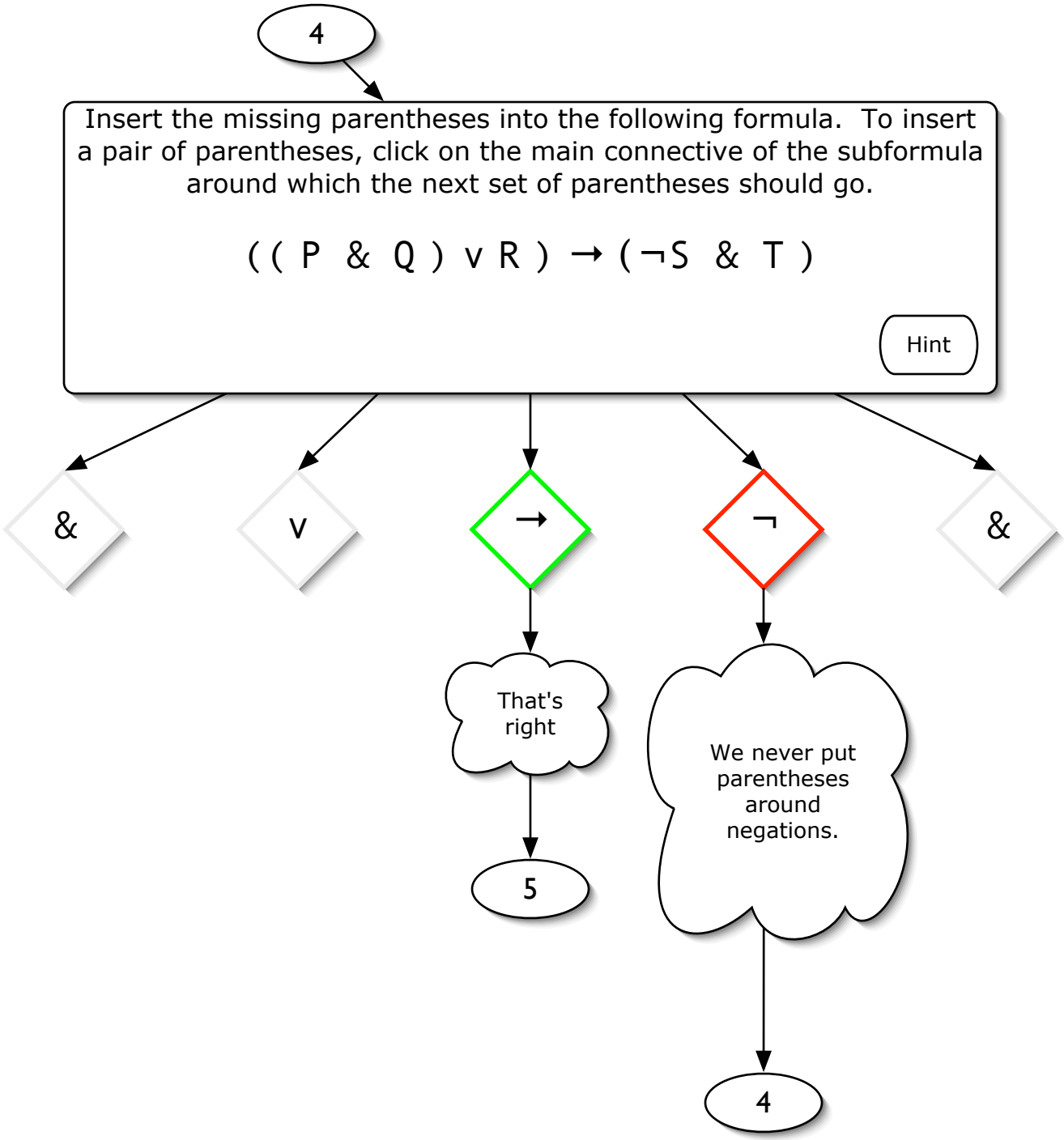
Hint content:

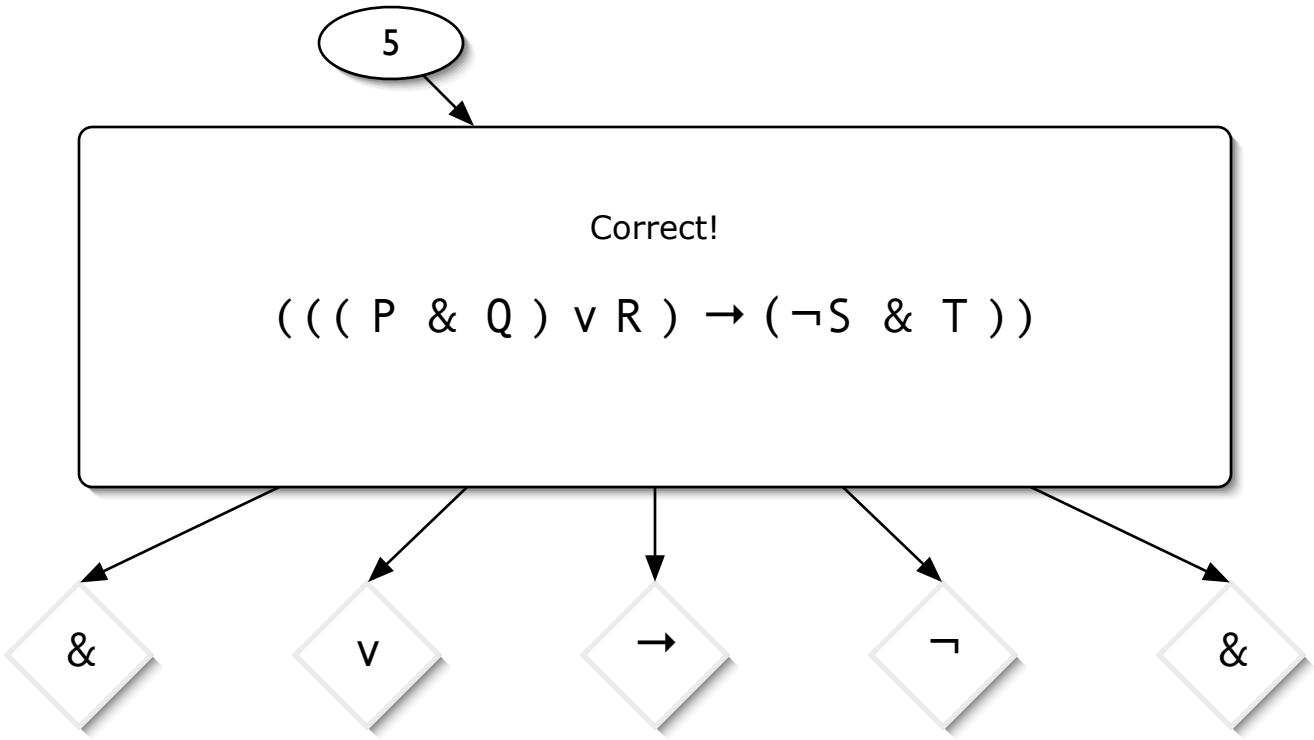



Start
Insert the missing parentheses into the following formula. To insert a pair of parentheses, click on the main connective of the subformula around which the first set of parentheses should go.
P & Q v R → ¬S & T
Hint
&
v
→
¬
&
When there are multiple occurrences of a connective in a formula, parentheses are inserted around the rightmost occurrence first.
Recall the order of precedence of the connectives: ¬, &, v, →
We never put parentheses around negations.
That's right
2
Start

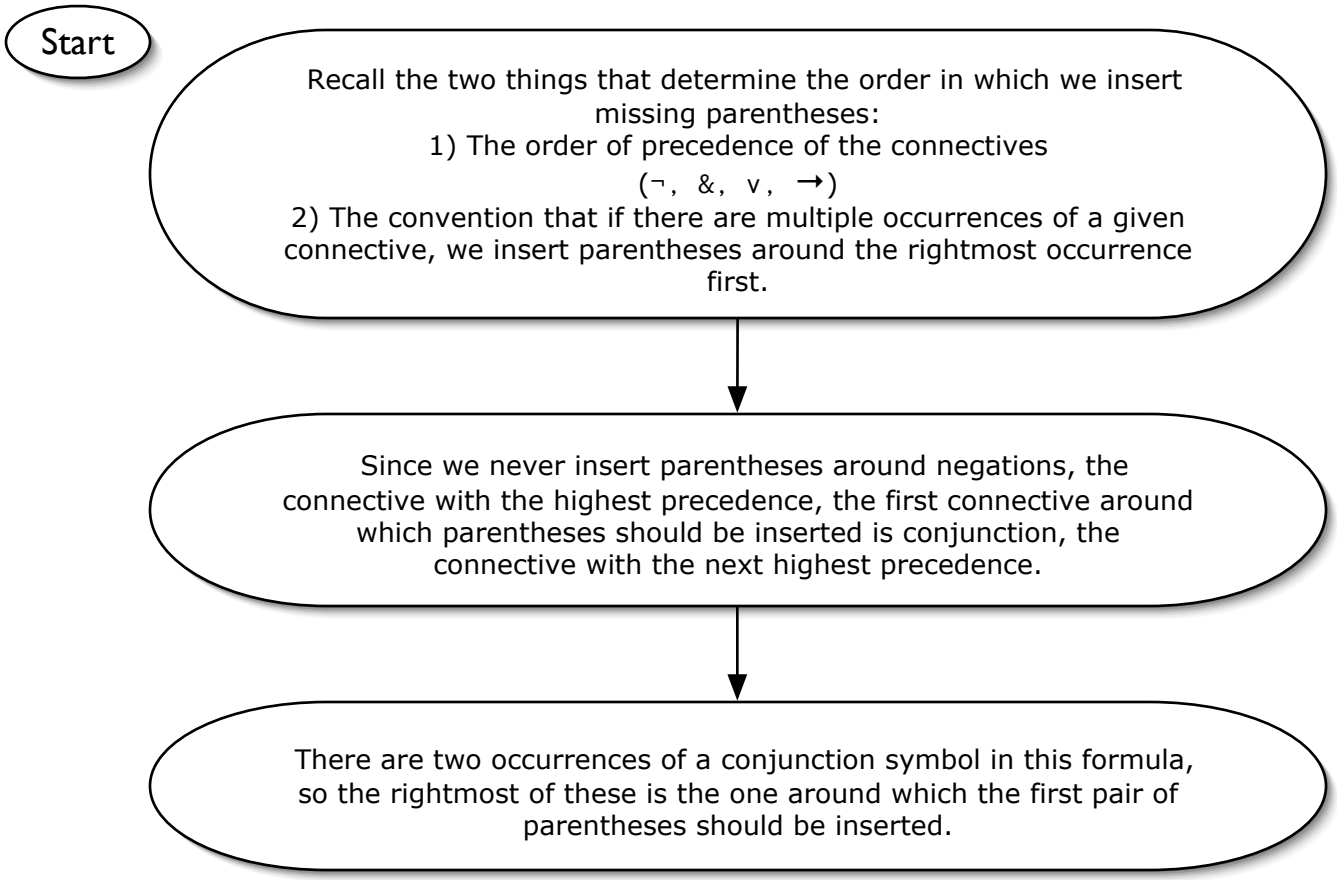

2
Insert the missing parentheses into the following formula. To insert a pair of parentheses, click on the main connective of the subformula around which the next set of parentheses should go.
P & Q v R → (¬S & T)
Hint
&
v
→
¬
&
That's right
3
Recall the order of precedence of the connectives: ¬, &, v, →
We never put parentheses around negations.
2

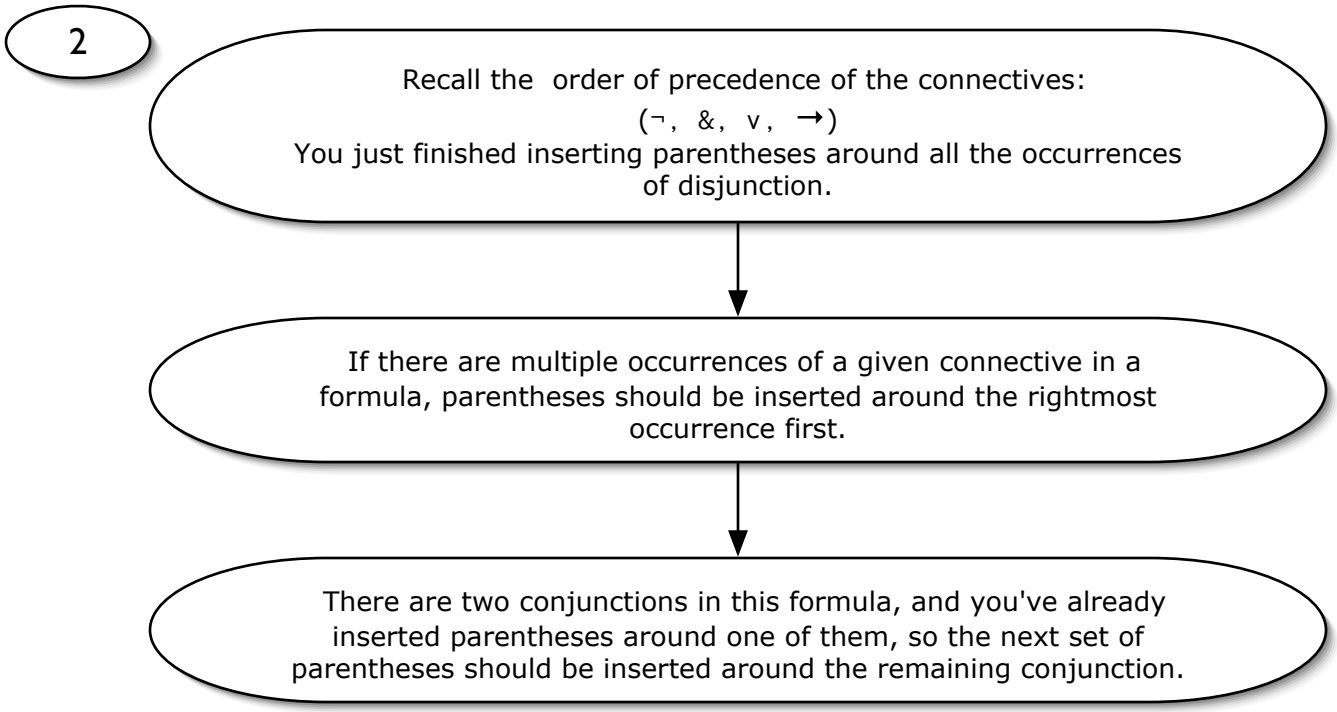

3
Insert the missing parentheses into the following formula. To insert a pair of parentheses, click on the main connective of the subformula around which the next set of parentheses should go.
(P & Q) v R → (¬S & T)
Hint
&
v
→
¬
&
That's right
Recall the order of precedence of the connectives: ¬, &, v, →
We never put parentheses around negations.
4
3


4
Insert the missing parentheses into the following formula. To insert a pair of parentheses, click on the main connective of the subformula around which the next set of parentheses should go.
((P & Q) v R) → (¬S & T)
Hint
&
v
→
¬
&
That's right
5
We never put parentheses around negations.
4


5
Correct!
(((P & Q) v R) → (¬S & T))
&
v
→
¬
&

Hint sequences by state:





3

Recall the order of precedence of the connectives:
(¬, &, v, →)
You just finished inserting parentheses around all the occurrences of conjunction.

There is only a single occurrence of a disjunction symbol in this formula, so that is the one around which the next pair of parentheses should be inserted.

4

Recall the order of precedence of the connectives:
(¬, &, v, →)
You just finished inserting parentheses around all the occurrences of disjunction.

There is only a single occurrence of a conditional in this formula, so that is the connective around which the next pair of parentheses should be inserted.