



an argument is  
valid when it is  
impossible for its  
premises to be  
true and its  
conclusion false

an argument is  
sound when it is  
valid and all of its  
premises are true

Sometimes when thinking about arguments it is helpful to think about the form of the argument.

1. Either Notre Dame is in Indiana or Notre Dame is in Ohio.
  2. Notre Dame is not in Ohio.
- 

C. Notre Dame is in Indiana. (1,2)

You'll notice that certain words in the argument are repeated.

To get the form of the argument, replace every repeated expression of this sort with a 'dummy letter' — sort of like a variable. That gives us the following form of the argument:

1.  $P$  or  $Q$ .

2. Not  $Q$ .

—————

C. P. (1,2)



Would every argument of this form be  
valid?













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Together form the argument, replacing every repeated expression of this sort

with a 'dummy letter' sort of like a variable. That gives us the following form

of the argument:







2. Not 2.

C. P. (I, 2)

1. P or Q.

Would every argument of this form be

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