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Introduction
Outline

1 Introduction
1. David eats spinach
   
   Implicated: None of my other children eat spinach.
   Relevance, a bit. Informativeness I mostly.

2. I tried to
   
   Implicated: I did not succeed.
   Informativeness I

3. I'm very fond of you
   
   Implicated: I don't love you
   Informativeness I

4. I've stacked the dishes
   
   Implicated: I haven't done the dishes. Informativeness I
I'm on a low fat diet

*Implicated*: The food in French restaurants has a lot of fat. I don't want to go to the French restaurant, since it would conflict with my dieting plans.

*Relevance.*
Presuppositions

a. Mandy started dinner.
b. Mandy attended the party.
c. Edward knew Sally.
d. Latoya got her license.
e. Mandy is going to experience a trip
f. John started laughing.
g. they’re lovers.
Ch. 2, Exc. 1

a. T  

h. \(((r \lor q) \leftrightarrow (q \leftrightarrow ((q \& r) \lor p))) \rightarrow \sim r\)

d. F

f. T

h. T
### Ch.2, Exc. 2

<table>
<thead>
<tr>
<th>$p$</th>
<th>$q$</th>
<th>$\sim p$</th>
<th>$\sim p \lor q$</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>T</td>
<td>F</td>
<td>T</td>
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<td>T</td>
<td>F</td>
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<td>F</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>$p$</th>
<th>$q$</th>
<th>$p \lor q$</th>
<th>$\sim (p \lor q)$</th>
</tr>
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<tbody>
<tr>
<td>T</td>
<td>T</td>
<td>T</td>
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<thead>
<tr>
<th>$p$</th>
<th>$q$</th>
<th>$\sim p$</th>
<th>$\sim q$</th>
<th>$\sim q \rightarrow \sim p$</th>
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</table>
The truth table for $\rightarrow$ and the truths of the given sentences:

<table>
<thead>
<tr>
<th>$p$</th>
<th>$q$</th>
<th>$p \rightarrow q$</th>
<th>Ireland is surrounded by the sea</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>T</td>
<td>T</td>
<td>Ireland is an island</td>
<td>T</td>
</tr>
<tr>
<td>T</td>
<td>F</td>
<td>F</td>
<td>Ireland is connected to Wales</td>
<td>F</td>
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<tr>
<td>F</td>
<td>T</td>
<td>T</td>
<td></td>
<td></td>
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<td>F</td>
<td>F</td>
<td>T</td>
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Based on the truth values of these sentences and the truth table we get:

If Ireland is surrounded by the sea $\rightarrow$ it is an island

<table>
<thead>
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<th>T</th>
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<td>T</td>
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</table>

If Ireland is connected to Wales $\rightarrow$ it is an island

<table>
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<tr>
<th>F</th>
<th>T</th>
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<td>T</td>
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</table>

The second result follows the truth table for $\rightarrow$ faithfully but is weird!
Exc 9

a. give(John, $10, Mary)

b. give(Joh, $10, Mary)

c. under(Toby, table)

d. show(Clive, Maddy, the photos)

e. east-of(China, Europe)

f. surgeon(Sheila)

g. paint(Bill, kitchen)

h. paint2(Bill)

i. buy(Mary, painting)
Exc 11

a. capital-of(Sydney) ∨ capital-of(Australia)
b. ~ laugh(Alice) & ~ laugh(Bill)
c. ~ (rich(Frank) & generous(Frank))
d. marry(Gina, Leo) ∨ marry(Gina, Fred)
e. ~ (laugh(Alice) & laugh(Bill))
g. ~ (laugh(Alice) ∨ laugh(Bill))
Exc 12

a. $p$: Audrey went to Motueka  
$q$: Audrey visited Rangi  
$r$: Audrey interviewed Cameron  
$(p \land q) \lor r$  
$p \land (q \lor r)$

b. $p$: David is Audrey’s brother  
$q$: Fanny is David’s aunt  
$r$: Bob is David’s uncle  
$(p \rightarrow q) \lor r$  
$p \rightarrow (q \lor r)$

c. $p$: Claire will hire Burt  
$q$: Ethel will resign  
$r$: Lenny leaves Taiwan  
$r \rightarrow (p \land q)$  
$p \land (r \rightarrow q)$
The boldfaced Time. Place, Manner participants are arguments.

a. They dwelt in marble halls.
b. The theremin echoes marvelously in marble halls.
c. John behaved impeccably.
d. John carelessly lost the car keys.
e. John carefully planned the weekend that night.
f. John carefully planned that night (ambiguous?)
g. The meetings lasted all day.
h. The elephants were upset and nervous all day.
Logic and conversation.