

Chapter Three Translation Problems Set 5 #7a, #7b: WebCT Discussion

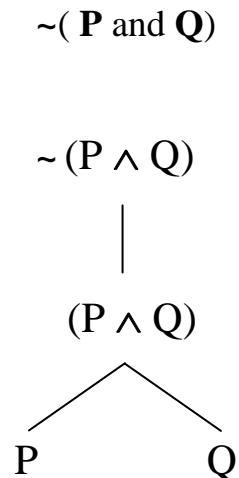
Problem: **Translate** each of the following English sentences into the formal language; then build a **construction tree** for the formal sentence, showing which is the *main* connective of the sentence.

Discussion: The first sentence has two form phrases: “*it is not the case*” and “*and*”.

7a. ~~It is not the case that~~ Ace graduated from Yale ~~and~~ went to prison.
(**P**: Ace graduated from Yale. **Q**: Ace went to prison)

It is not the case that **P** and **Q**.

Here it might seem ambiguous which form phrase is the main form phrase of the whole sentence. But the English makes clear that the sentence as a whole is a denial: denying *that Ace graduated from Yale and went to prison*.



The second sentence looks almost identical to the first –using the same two form phrases.

7b. It is not the case that Ace graduated from Yale, and he went to prison.
(**P**: Ace graduated from Yale. **Q**: Ace went to prison)

It is not the case that **P**, and **Q**

But here the comma falls right by “and” – making the sentence as a whole a *conjunction*.

(It is not the case that $P \wedge Q$)

