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### Standard Deductive Forms

Key:

p = Becky graduates college  
q = Becky will have a well-rounded knowledgebase  
r = Becky can make more money  
s = Becky can live a better life

Modus ponens:

If (Becky graduates from college), then (Becky will have a well-rounded knowledgebase)  
(Becky graduates from college).  
Therefore, (Becky will have a well-rounded knowledgebase).

Modus tollens:

If (Becky graduates from college), then (Becky will have a well-rounded knowledgebase)  
It is not the case that (Becky will have a well-rounded knowledgebase).  
Therefore, it is not the case that (Becky graduates from college).

Hypothetical syllogism:

If (Becky graduates college), then (Becky will have a well-rounded knowledgebase)  
If (Becky will have a well-rounded knowledgebase), then (Becky can make more money).  
Therefore, if (Becky graduates college) then (Becky can make more money)

Disjunctive syllogism:

(Becky graduates college) or (Becky will have a well-rounded knowledgebase).  
It is not the case that (Becky graduates college).  
Therefore, (Becky will have a well-rounded knowledgebase).

Dilemma:

(Becky graduates college) or (Becky will have a well-rounded knowledgebase).  
If (Becky graduates college) then (Becky can make more money).  
If (Becky will have a well-rounded knowledgebase) then (Becky can live a better life).  
Therefore, (Becky can make more money) or (Becky can live a better life).