

2. Tet(a) \wedge Large(c)	
3. Tet(a)	\wedge Elim: 2
4. Tet(a) \wedge Dodec(b)	
5. Dodec(b)	\wedge Elim: 4
6. Tet(a)	\wedge Elim: 4
7. Tet(a)	\vee Elim: 1, 2-3, 4-6
8. Tet(a) \wedge Dodec(b)	\wedge Intro: 7, 5

What step won't Fitch let you perform? Why? Is the conclusion a consequence of the premises? Discuss this example in the form of a clear English paragraph, and turn your paragraph in to your instructor.

Use Fitch to give formal proofs for the following arguments. You will need to use subproofs to prove these.

✓

6.18	A \vee B
	A $\vee \neg \neg$ B

✓

6.19	A \vee B
	\neg B \vee C
	A \vee C

✓

6.20	A \vee B
	A \vee C
	A \vee (B \wedge C)

SECTION 6.5

Strategy and tactics

Many students try constructing formal proofs by blindly piecing together a sequence of steps permitted by the introduction and elimination rules, a process no more related to reasoning than playing solitaire. This approach occasionally works, but more often than not it will fail—or at any rate, make it hard to find a proof. In this section, we will give you some advice about how to go about finding proofs when they don't jump right out at you. The advice

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J Dewey



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