

Test A – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

The students work on special cars designed for their sport.

is a:

- a) syllogism
- b) proposition
- c) singular statement
- d) complex statement
- e) none of the above

Which terms can be described as singular?

- a) Vltava, river, Barikádníků Bridge, Charles University
- b) love, happiness, freedom, peace, God
- c) Bratří Synků Square, Vltava river, John Amos Comenius
- d) Charles University, J. A. Comenius Square, teacher of nations
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

The sun is hot but it is not humid.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

Which of the following sentences is a disjunction?

- a) Amy played soccer or Bill played hockey.
- b) Amy played soccer and Bill played hockey.
- c) Amy did not play soccer and Bill played hockey.
- d) None of the above.

3. Equivalence and negation

The proposition

"Eve can ski or skate."

can be considered equivalent with the proposition:

- a) "If Eve can not skate, then she can ski."
- b) "If Eve can ski, she can not skate."
- c) "If Eve can not skate, she can not ski."
- d) "Eve can ski only if she can not skate."
- e) "If Eve can ski, she can skate."

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	1					
0	1	1					
0	0	0					

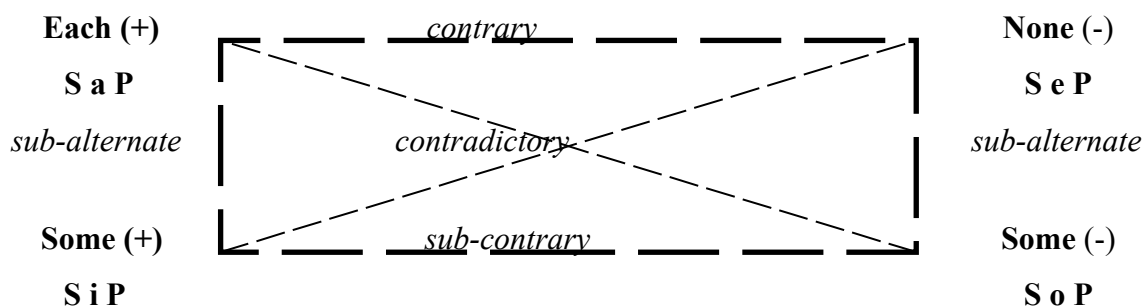
4. Aristotelian square and Venn diagrams

Which statement results from the statement?

Olympic games organizers told the press that the sports fields will not be prepared in time.

- a) The Olympic games must be postponed.
- b) At least one sports field won't be prepared in time.
- c) Sports fields will be prepared in time.
- d) At least one sports field will be prepared in time.
- e) None of the above

affirmo (claim, *lat.*) – **neggo** (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like any romantic movies. and *Charles does not like the film Braveheart.*

- a) Charles likes some romantic movies.
- b) Charles does not watch any movies.
- c) Charles likes some movies.
- d) Romantic movies are boring.
- e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Aggression is:

- a) aggressive behavior
- b) act of aggression
- c) violence
- d) violent behavior or action
- e) type of feeling

What is the correct red herring definition?

- a) An attack on someone's character instead of the arguments.
- b) A device to divert attention away from the true object.
- c) A false dichotomy to oversimplify a situation.
- d) A logical statement with an assumption that is false.
- e) Pretending that only two choices exist.

Test B – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

I really didn't like the play although the acting was very good.

is a:

- a) singular statement
- b) complex statement
- c) implication
- d) syllogism
- e) none of the above

Which terms can be described as general?

- a) Vltava, river, Barikádníků Bridge, Charles University
- b) love, happiness, freedom, peace, river
- c) Bratři Synků Square, Vltava river, Jan Amos Comenius
- d) Charles University, J. A. Comenius Square, teacher of nations
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

If it rains then you will get wet.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

Which of the following is a conditional statement?

- a) Amy plays soccer or Bill plays hockey.
- b) Bill plays hockey when Amy plays soccer.
- c) If Amy plays soccer then Bill plays hockey.
- d) None of the above.

3. Equivalence and negation

For the proposition

"Peter is lying and stealing."

specify its negation:

- a) "Peter is lying, but not stealing."
- b) "Peter is not lying and stealing."
- c) "When Peter is not lying, he is not stealing."
- d) "Peter is not lying nor stealing."
- e) "Either it is true that Peter is lying, or it is not true that Peter is stealing."

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	0					
0	1	0					
0	0	0					

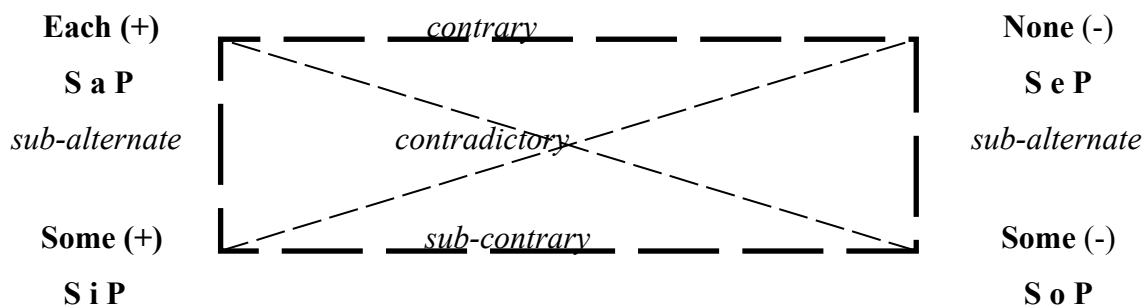
4. Aristotelian square and Venn diagrams

Which statement results from the statement?

Olympic games organizers told the press that the sports fields will not be prepared in time.

- a) The Olympic games must be postponed.
- b) At least one sports field won't be prepared in time.
- c) Sports fields will be prepared in time.
- d) At least one sports field will be prepared in time.
- e) None of the above

affirmo (claim, lat.) – neggo (deny, lat.), subject (S) a predicate (P)



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like some romantic movies. and *Charles does not like horror movies.*

- a) Charles likes some romantic movies.
- b) Charles does not like the movie Twilight.
- c) Peter also does not like romantic movies.
- d) Romantic movies are boring.
- e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Tree is:

- a) a plant with wooden stem
- b) an organism inhabiting Earth
- c) a word
- d) a symbolic concept
- e) a living being

Which of the following is an example of a red herring?

- a) "All dogs are mammals. My cat is a mammal. Therefore, my cat is a dog."
- b) "I had lunch with Donald, then I felt sick. Therefore, Donald made me sick."
- c) "You asked what I've done to counteract global warming. In my first two years in office, we've had lower than average temperatures."
- d) "Ms. Bauer is an incompetent math teacher. She's a wild-eyed radical in her educational theories."
- e) "In order to maintain a civil debate, I will not mention my opponent's drinking problem."

Test C – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

This new brand of college athlete is involved in the sport of auto racing.

is a:

- a) complex statement
- b) premise
- c) singular statement
- d) conjunction
- e) none of the above

Which terms can be described as singular?

- a) Vltava river, Barikádníků Bridge, College of International and Public Relations Prague
- b) love, happiness, freedom, peace
- c) Bratří Synků Square, river, nature, college
- d) Charles University, College of International and Public Relations Prague, teacher
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

If and if you don't attend the interview you will not get the new job.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

Which of the following sentences is a conjunction?

- a) Jill eats pizza or Sam eats pretzels.
- b) Jill eats pizza but not pretzels.
- c) Jill eats pizza and Sam eats pretzels.
- d) None of the above.

3. Equivalence and negation

The proposition

$$\neg (p \wedge q)$$

can be considered equivalent with the proposition:

- a) $(p \vee q)$
- b) $(\neg q) \vee (\neg p)$
- c) $p \wedge q$
- d) $(\neg p) \wedge (\neg q)$
- e) none of the options

p	$\neg p$	q	$\neg q$	task	a)	b)	c)	d)	e)
1		1		0					
1		0		1					
0		1		1					
0		0		1					

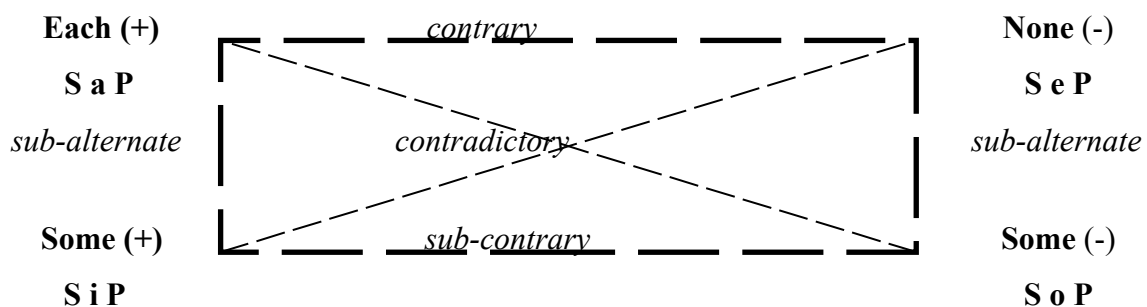
4. Aristotelian square and Venn diagrams

Which statement is the negation of the following statement?

Some jewelry is not expensive.

- a) All jewelry is expensive.
- b) All jewelry is not expensive.
- c) No jewelry is not expensive.
- d) Some jewelry is expensive.
- e) Some jewelry is not expensive.

affirmo (claim, *lat.*) – **neggo** (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises
Charles likes only ballets. and *The Nutcracker is ballet.*

- a) Charles likes the ballet Nutcracker.
- b) Charles does not like the ballet Nutcracker.
- c) If the Nutcracker is a ballet, then Charles likes it.
- d) If the Nutcracker is not a ballet, then Charles may like it. (false antecedent=true implication)
- e) It is impossible for Charles to not like the ballet Nutcracker.

5. Definitions and Argumentation

Truth is:

- a) validity
- b) quality and quantity of being
- c) true statement
- d) quality or state of being
- e) real fact

Which of the following is not an example of an argument to a man (Argumentum Ad hominem)?

- a) Ms. Bauer is an incompetent math teacher. She always wears blue jeans.
- b) Von Daniken's books about ancient astronauts are worthless because he is a convicted forger and embezzler.
- c) In order to maintain a civil debate, I will not mention my opponent's drinking problem.
- d) I used to think that way when I was your age.
- e) "You asked what I've done to counteract global warming. In my first two years in office, we've had lower than average temperatures."

Test D – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

The museum was very interesting as I expected.

is a:

- a) singular statement
- b) complex statement
- c) argument
- d) conclusion
- e) none of the above

Which terms can be described as general?

- a) College of International and Public Relations Prague, Introduction to Logic: Argumentation and Interpretation, Prague
- b) dean, university, logic, college
- c) square, Vltava river, college, river
- d) Prague, J. A. Comenius Square, Dlouhá Street
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

If John doesn't pass then he will lose his scholarship.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

Which of the following statements is a conjunction?

- a) $p + q$
- b) $p \wedge q$
- c) $\neg p$
- d) None of the above.

3. Equivalence and negation

Find equivalent statement to the statement:

Mike will go swimming if and only if it will rain.

- a) "If Mike will go swimming and then it will rain and if it won't rain, then Mike won't go swimming."
- b) "If it will rain, then Mike will go swimming and if Mike won't go swimming, then it won't rain."
- c) "If it will rain, then Mike will go swimming and if Mike will go swimming, then it will rain."
- d) "If it won't rain, then Mike will go swimming and if Mike won't go swimming, then it will rain."
- e) Any of given answers is correct.

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	0					
0	1	0					
0	0	1					

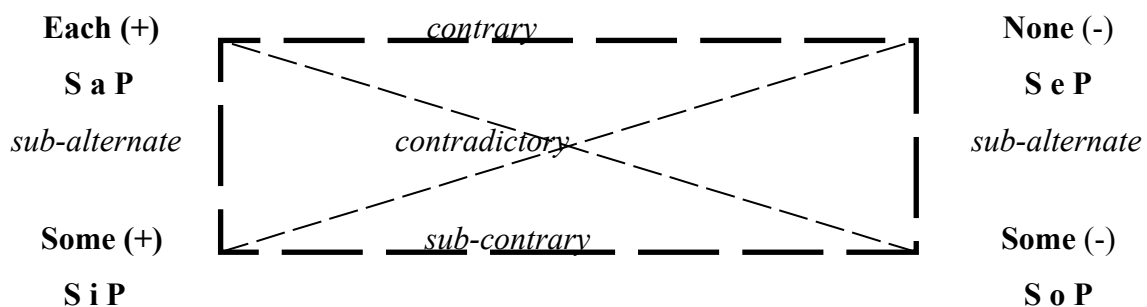
4. Aristotelian square and Venn diagrams

Which statement results from the statement?

One soldier has guarded each bank.

- a) Every bank was guarded by one soldier.
- b) One bank was guarded by one soldier.
- c) One soldier guarded one bank.
- d) Every soldier guarded one bank.
- e) No soldier guarded no bank.

affirmo (claim, *lat.*) – **neggo** (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like any romantic movies. and *Charles does not like the film Braveheart.*

- a) Charles likes some romantic movies.
- b) Charles does not watch any movies.
- c) Charles likes some movies.
- d) Romantic movies are boring.
- e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Penalty is:

- a) punishment for breaking the rule
- b) unpleasant experience
- c) unfair acting with unpleasant consequences
- d) a rule for punishment
- e) None of above

Which of the following is an example of an argument to a man (Argumentum Ad hominem)?

- a) In order to maintain a civil debate, I will not mention my opponent's drinking problem.
- b) “You asked what I’ve done to counteract global warming. In my first two years in office, we’ve had lower than average temperatures.”
- c) Suds 'n Spuds is a great restaurant: you can see how shining clean the kitchens are!
- d) *Four little Indian boys going out to sea; A red herring swallowed one and then there were three.* (And Then There Were None by Agatha Christie)
- e) “Before women got the vote, there were no nuclear weapons.”

Test E – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

Their tools are screwdrivers and spanners rather than basketballs and footballs.

is a:

- a) singular statement
- b) syllogism
- c) complex statement
- d) premise
- none of the above

Which terms can be described as singular?

- a) College of International and Public Relations Prague, Introduction to Logic: Argumentation and Interpretation, Prague
- b) dean, university, logic, college
- c) square, Vltava river, college, river
- d) Prague, square, Dlouhá Street
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

New cycle track in Rio, Brazil, was swept away by a wave, two people died.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

Which of the following statements is a disjunction?

- a) $\neg xy$
- b) $x \wedge y$
- c) $x \vee y$
- d) None of the above.

3. Equivalence and negation

Find equivalent statement to the statement:

If Cate will get to university, I will eat my shorts.

- a) "I won't eat my shorts or Cate will get to university."
- b) "I will eat my shorts if and only if Cate will get to university."
- c) "If I don't eat my shorts, then Cate won't get to university."
- d) "If Cate won't get to university, then I won't eat my shorts."
- e) "Cate won't get to university."

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	0					
0	1	1					
0	0	1					

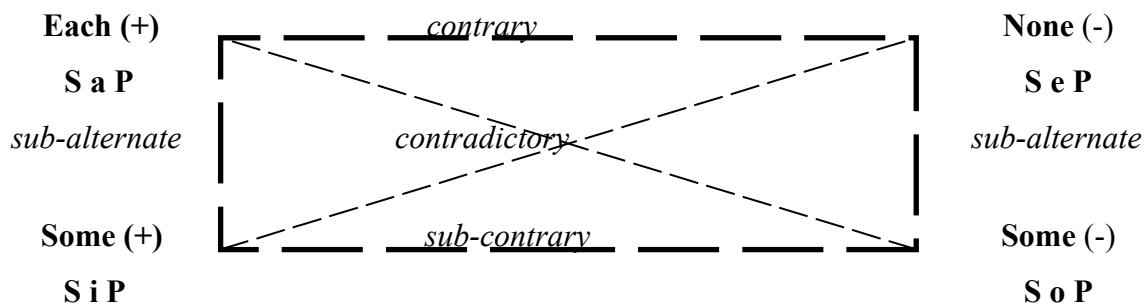
4. Aristotelian square and Venn diagrams

Which statement results from the statement?

One soldier has guarded each bank.

- a) Every bank was guarded by one soldier.
- b) One bank was guarded by one soldier.
- c) One soldier guarded one bank.
- d) Every soldier guarded one bank.
- e) No soldier guarded no bank.

Affirmo (claim, *lat.*) – neggo (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like any romantic movies. and *Charles does not like the film Titanic.*

- a) Charles likes some romantic movies.
- b) Charles does not watch any movies.
- c) Charles likes some movies.
- d) Romantic movies are boring.
- e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Advertisement is:

- a) acting in public sphere
- b) type of announcement
- c) promotional communication in public sphere
- d) symbolic acting or behavior
- e) customer oriented communication

Which of the following is not an example of false analogy?

- a) "Before women got the vote, there were no nuclear weapons."
- b) "Every time my brother Bill accompanies me to Fenway Park, the Red Sox are sure to lose."
- c) "The sun goes down because we've turned on the street lights."
- d) "Minds, like rivers, can be broad. The broader the river, the shallower it is. Therefore, the broader the mind, the shallower it is."
- e) Prof. Drake says, "All students turn their papers in on time." Rachel says, "But I'm a student and I turn my papers in late." Mean Old Drake says, "Then you're not really a student."

Test F – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

Components for wine: The first train passed through the Silk Road from China to France.

is a:

- a) singular statement
- b) syllogism
- c) complex statement
- d) premise
- none of the above

Which terms can be described as general?

- a) College of International and Public Relations Prague, Introduction to Logic: Argumentation and Interpretation, Prague
- b) dean, university, logic, college
- c) square, Vltava river, street
- d) Prague, square, Dlouhá Street
- e) neither of these

2. Relations between propositions

Statements:

r: You give me twenty dollars.

s: I will be your best friend.

Problem: Which of the following statements represents "If you give me twenty dollars, then I will be your best friend"?

- a) $r \wedge s$
- b) $r \Rightarrow s$
- c) $s \Rightarrow r$
- d) None of the above.

If a is false and b is true, what is the truth value of $a \wedge b$?

- a) True
- b) False
- c) Not enough information was given
- d) None of the above.

3. Equivalence and negation

Find negation of the statement:

If these test seem difficult to you, I advise you not to worry.

- "If the tests seem difficult to you, I do not advise you not to worry."
- "If the tests does not seem difficult to you, I do not advise you not to worry."
- "The tests seem difficult to you and I do not advise you not to worry."
- "The tests does not seem difficult to you or I advise you not to worry."
- "The tests does not seem difficult to you and I do not advise you not to worry."

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	0					
0	1	1					
0	0	1					

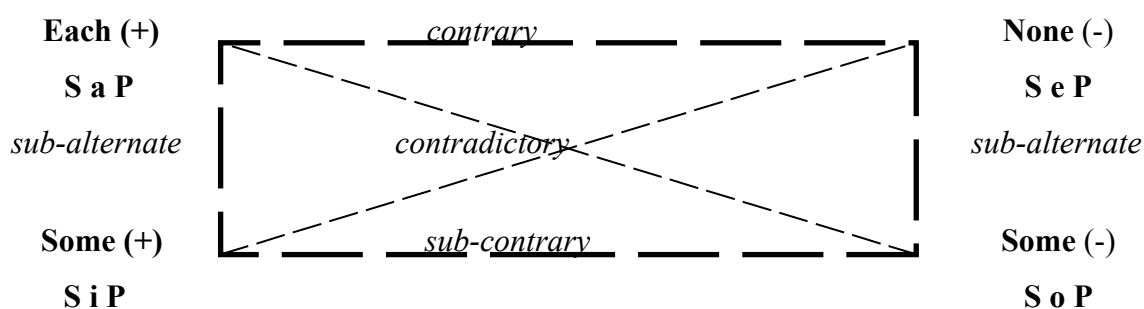
4. Aristotelian square and Venn diagrams

Which statement results from the statement?

Olympic games organizers told the press that the sports fields will not be prepared in time.

- The Olympic games must be postponed.
- At least one sports field won't be prepared in time.
- Sports fields will be prepared in time.
- At least one sports field will be prepared in time.
- None of the above

Affirmo (claim, *lat.*) – neggo (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles likes only ballets. and *The Nutcracker is ballet.*

- Charles likes the ballet Nutcracker.
- Charles does not like the ballet Nutcracker.
- If the Nutcracker is a ballet, then Charles likes it.
- If the Nutcracker is not a ballet, then Charles may like it. (false antecedent=true implication)
- It is impossible for Charles to not like the ballet Nutcracker.

5. Definitions and Argumentation

Value is:

- a) the price of
- b) the worth of
- c) the cost of
- d) the meaning of
- e) usefulness or importance of

Which of the following is not an example of Equivocation?

- a) "The sign said 'fine for parking here', and since it was fine, I parked there."
- b) "All trees have bark. All dogs bark. Therefore, all dogs are trees."
- c) "Consider that two wrongs never make a right, but that three lefts do." - "Deteriorata", National Lampoon
- d) Prof. Drake says, "All students turn their papers in on time." Rachel says, "But I'm a student and I turn my papers in late." Mean Old Drake says, "Then you're not really a student."
- e) "You should accept the view that our protection society can strengthen the sales of your product. Otherwise you might find that your machinery has been damaged and that your labor troubles increase."

Test G – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

I really didn't like the play although the acting was very good.

is a:

- a) singular statement
- b) complex statement
- c) implication
- d) syllogism
- e) none of the above

Which terms can be described as singular?

- a) Vltava river, Introduction to Logic: Argumentation and Interpretation, Prague
- b) dean, university, logic, college
- c) square, Vltava river, street
- d) Prague, square, College of International and Public Relations Prague
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

If and if you don't attend the interview you will not get the new job.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

If a is false and b is true, what is the truth value of $a \vee b$?

- a) True
- b) False
- c) Not enough information was given
- d) None of the above.

3. Equivalence and negation

Find negation of the statement:

John likes Mary or Mary likes John.

- a) "If John does not like Mary, then Mary likes John."
- b) "John does not like Mary, but Mary likes John."
- c) "John likes Mary, but Mary does not like John."
- d) "John does not like Mary and Mary does not like John."
- e) "Nobody likes anyone."

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	1					
0	1	1					
0	0	0					

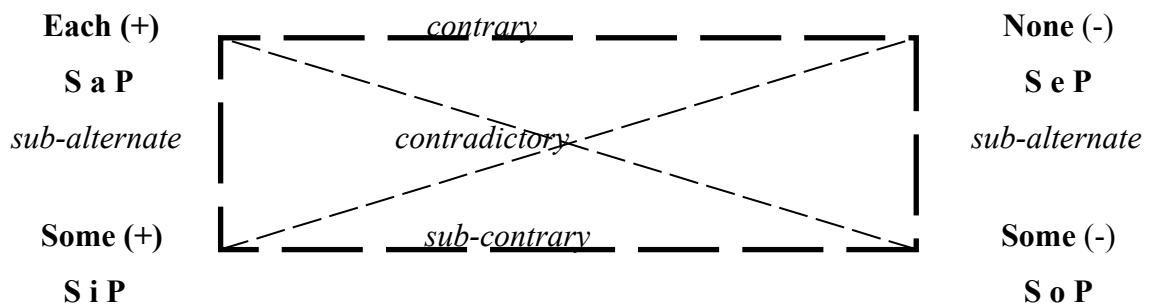
4. Aristotelian square and Venn diagrams

Which statement is the negation of the following statement?

Some jewelry is not expensive.

- a) All jewelry is expensive.
- b) All jewelry is not expensive.
- c) No jewelry is not expensive.
- d) Some jewelry is expensive.
- e) Some jewelry is not expensive.

Affirmo (claim, *lat.*) – neggo (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like any action movies. and *Charles likes the film Titanic.*

- a) Charles likes some action movies.
- b) Charles does not watch any movies.
- c) Charles likes some movies.
- d) Action movies are boring.
- e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Tree is:

- a) a plant with wooden stem
- b) an organism inhabiting Earth
- c) a word
- d) a symbolic concept
- e) a living being

Which of the following is not an example of Non Sequitur?

- a) Students who take earth science instead of physics are lazy. Susie took earth science instead of physics. Lazy Susie should be kicked out of school.
- b) "Tens of thousands of Americans have seen lights in the night sky which they could not identify. The existence of life on other planets is fast becoming certainty !"
- c) "Bill lives in a large building, so his apartment must be large."
- d) "All dogs are mammals. My cat is a mammal. Therefore, my cat is a dog."
- e) History tells us idealistic leaders are never effective.

Test H – Introduction to Logic: Argumentation and Interpretation

1. task – Terms and Propositions (Statements)

The statement

Foreign supermarket chains control two-thirds of the market.

is a:

- a) singular statement
- b) complex statement
- c) implication
- d) syllogism
- e) none of the above

Which terms can be described as general?

- a) river, introduction, logic, argumentation, interpretation
- b) dean, university, logic, College of International and Public Relations Prague
- c) square, river, street, Vltava
- d) Prague, Vltava, College of International and Public Relations Prague
- e) neither of these

2. Relations between propositions

Convert each statement below into symbolic form and generate its truth table.

We need to put an end to monocultures, both on land and in the human mind, and we need to urgently assess the true costs of industrial agriculture and the true benefits of biodiverse, ecological farming.

p	q	$p \rightarrow q$
1	1	
1	0	
0	1	
0	0	

If a is false and b is true, what is the truth value of $a \Rightarrow b$?

- a) True
- b) False
- c) Not enough information was given.
- d) None of the above.

3. Equivalence and negation

Find equivalent disjunction for the statement:

$$p \Rightarrow q$$

a) $\neg p \wedge \neg q$

b) $p \equiv q$

c) $p \Rightarrow q$

d) $\neg p \vee q$

e) $\neg (p \vee q)$

p	q	task	a)	b)	c)	d)	e)
1	1	1					
1	0	0					
0	1	1					
0	0	1					

4. Aristotelian square and Venn diagrams

Which statement is the negation of the following statement?

Some jewelry is expensive.

a) All jewelry is expensive.

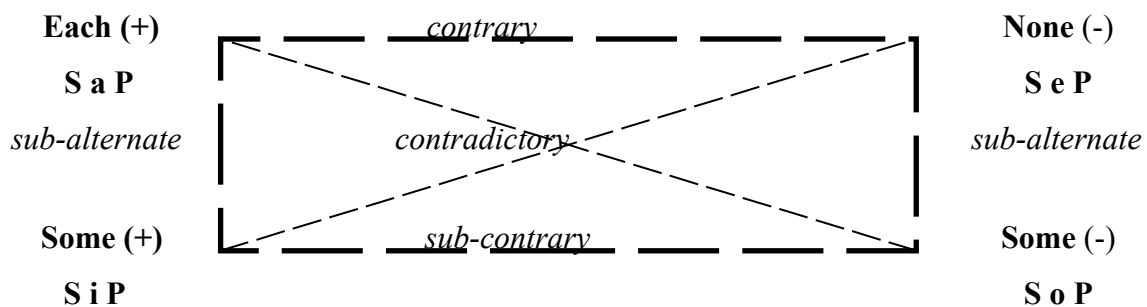
b) All jewelry may be expensive.

c) No jewelry is not expensive.

d) Some jewelry is expensive.

e) Some jewelry is not expensive.

Affirmo (claim, *lat.*) – neggo (deny, *lat.*), **subject (S)** a **predicate (P)**



Draw the statement into diagrams and decide which statement results from the premises

Charles does not like any horrors. and *Charles does not like the film Braveheart.*

a) Charles likes some horrors.

b) Charles does not watch any movies.

c) Charles likes some movies.

d) Horrors are boring.

e) None of the options.

5. Definitions and Argumentation

Choose the best definition.

Immigration is:

- a) a community of people living in a foreign country
- b) action of coming to live permanently in a foreign country
- c) a word and a symbolic concept
- d) relation between people from foreign countries
- e) action of aggression between two countries

Which of the following is not an example of Personified Abstraction?

- a) "History tells us idealistic leaders are never effective."
- b) "The El-Nino phenomenon killed thousands of people."
- c) "Plane accidents are less common than car accidents, therefore it is safer to travel by plane than by car."
- d) "This application is easy to use. Look at its label, 'Easy Applicator.'"
- e) "All dogs are mammals. My cat is a mammal. Therefore, my cat is a dog."