



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Lesson 66

The Relation between the negation of two Universals (2)

(النسب بين نقيضى الكليين)

1. Equality "تساوى"

When two concepts are exactly the same in their instances and they are called equals "متساويان" and the relation is equality "تساوى".

A: Human "انسان" = B: speaking "ناطق"

Criterion:

Every A: Human "انسان" is B: speaking "ناطق"

Every B: speaking "ناطق" is A: Human "انسان"

If the relation between the two universals such as human "انسان" and speaking "ناطق" is equality, then what will be the relation between the negation of these two universals such as (Not human "لا انسان" and Not speaking "لا ناطق")?

The law of contradiction:

Two contradictory statements cannot be true or false at the same time and in the same place.

The relation between the negation of two equal universals is also equality.

Therefore, if human is equal to speaking the negation is not human "لا انسان" and not speaking "لا ناطق"

Presumption: $A = B$

Claim: $\text{Not } A = \text{Not } B$

Complete research method (طريق الاستقصاء)



In this method a logician brings all of the possible assumptions and falsifies all assumptions except one; which is the conclusion.

Presumption: $A = B$

Claim: $\text{Not } A = \text{Not } B$

Example:

Presumption: Human "انسان" = speaking "ناطق"

Claim:

Not human "لا انسان" = Not speaking "لا ناطق"

Reasoning:

If "not human" and "not speaking" are not equal,
then "not human = speaking";

because two contradictories cannot be denied simultaneously.

Result: Human does not include speaking.

However, two contradictories cannot be true simultaneously and the result is against the presumption.

Conclusion: Not human = Not speaking

Presumption: Human "انسان" = speaking "ناطق"

Claim: Not human "لا انسان" = Not speaking "لا ناطق"

Reasoning:

If "not human" and "not speaking" are not equal,
then "not human = speaking";

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Result: Human does not include speaking.

However, two contradictories cannot be true simultaneously and the result is against the presumption.

Conclusion: Not human = Not speaking