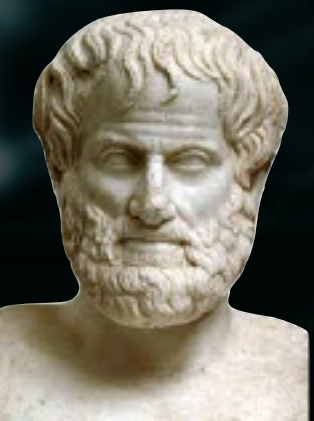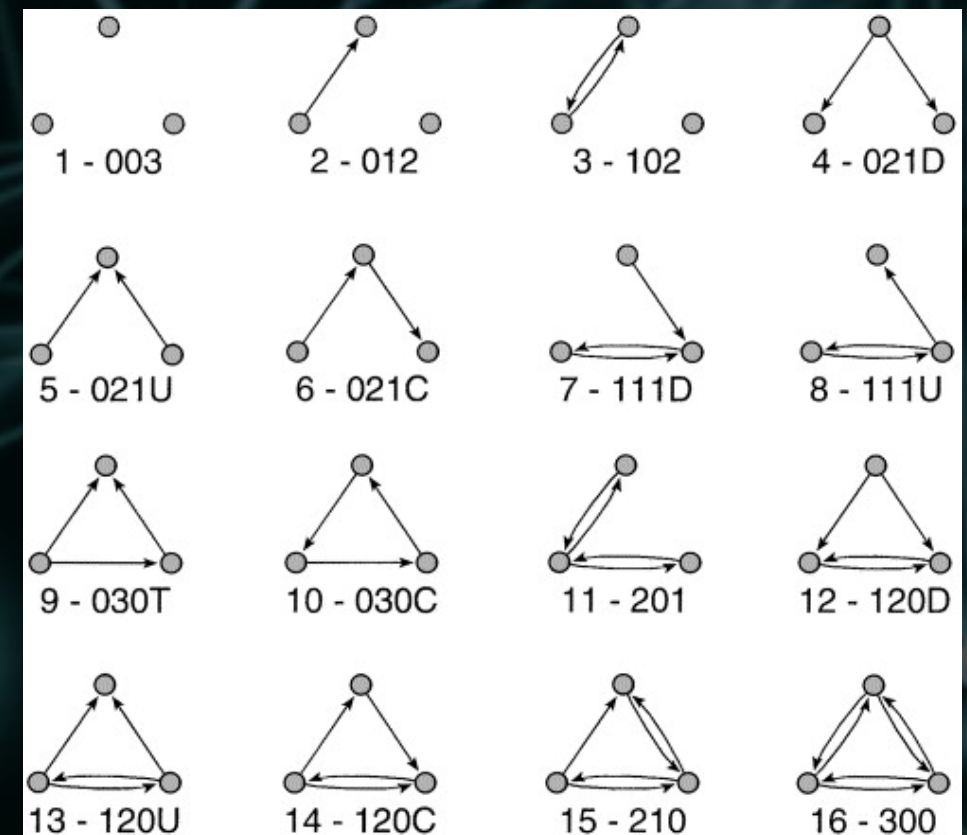# TRIADS

- Triads are defined by three objects, and are the most elementary network in which the structure of the network really matters.

- When mutuality shows up in triads, something called the "Balance Hypothesis" is present.

    - In the case of three entities, a balanced state exists if all three relations are positive in all respects, or if two are negative and one is positive.

    - There are 16 possible configurations of triads, most of them are not balanced.

    - Hence, triads are the most unstable social relationship (on their own).

1 - 003   2 - 012   3 - 102   4 - 021D
5 - 021U   6 - 021C   7 - 111D   8 - 111U
9 - 030T   10 - 030C   11 - 201   12 - 120D
13 - 120U   14 - 120C   15 - 210   16 - 300

MULTIPLEX NETWORKS

Undirected

Directed

Weighted

Multiplex