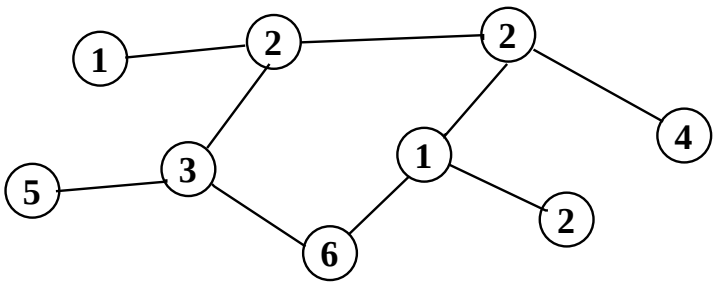
# Loosely Synchronous Problems - Example from Biology and General Structure

**For example: Macroscopic description of physical system in terms of interactions between irregular inhomogeneous objects evolved as a time synchronized simulation.**
**In particular - biological neural networks**




**Parallelize by irregular partition of data domain**

***Hardware:***
**In general will not run well on SIMD machine.**

***Software:***
**Initial version of High Performance Fortran cannot describe.**

**Message passing or extensions of High Performance Fortran on MIMD machines will describe.**