Advantages

Line: easy, cheap

Ring: easy and cheap

Star: easy, cheap, better protection against interruption

Tree: easy to manage, easy to expand, intern connection are stable

Fully connected mesh: fail safe, very secure

Disadvantages:

Line: one node failed->all disconnected

Ring: same as line

Star: single point of failure, if the main-point fail, nobody got any connection

Tree: if any top level or higher ranked node fails, the related nodes are failing too

Fully connected mesh: highly expensive