## Advantages of fat-tree

- In traditional hierarchical networks, switches in aggregation and core layers need to be more powerful, and have more ports per device. High-end high port density switches are extremely expensive.
- Scale out vs. scale up
- ► Fat-tree: (5k²/4) k-port switches support k³/4 hosts
- ▶ 48-port 1GigE switches: 27,648 hosts using 2,880 switches.