**End to End**

Good:

1.error control at lower level can be avoided

2. packet ordering mechanism can be avoided at low level

3.perfect reliability mechanism can be avoided at low level

4. encryption…

5. Duplicate message…

Bad:

1. what is an end? Hard to define
2. lack of code resue
3. end implementation becomes complicated
4. needs resources/ knowledge from lower level(cross-layering)
5. detecting intrusions things in middle undetected

**DARPA**

Good:

1. ordering of the 7 goals
2. make clear the original intention of the internet
3. minimal sophistication at the router; end point do the work
4. insists on different types of networks and protocols
5. flow control based on bytes instead of packet.

Bad:

1. does not address security
2. cost limits scalability
3. we don’t know if the network handles congestion well.
4. Difficult to manage
5. Overhead for converting signals for different media