

1. If a pipe was implemented in LIFO then there would be many data errors or hazards. The second process could receive reverse order of commands or information, as it calls from the pipe.
2. Using ordinary pipes it is unreasonable to try to implement that. FIFO queues already accomplish this unidirectional transfer. If ordinary pipes are ignored then it can be done with using multiple pipes.
3. In direct communications the sender explicitly states the name of the desired recipient and it is sent off. Indirect communications there is no desired recipient stated. Instead it's sent to a hub where the messages are stored. And then, if it is desired it can then be picked up at that hub.
4. A single pipe is not able to do that. If you need to compare things it needs to be multiple pipes
5. `ls ./ | sort -rn | more`

We create a pipe between ls and sort so that we don't need to have a temp.txt as a medium.