

## fan Design

**fan** connects its STDIN to the STDINs of listed out-programs and STDOUTs from listed out-programs to STDINs of listed in-programs.

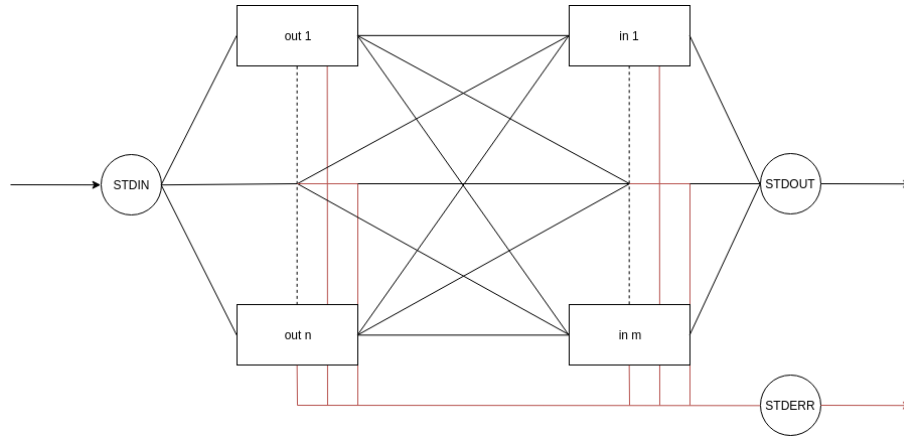


Figure 1: Diagram

Once data is written to **fan**'s STDIN, it gets written to the STDIN of all the in-programs. All of the in-programs' STDOUTs is copied into all of the out-programs' STDIN. All of the out-programs' STDOUT is then recombined and copied to **fan**'s STDOUT. Every program's STDERR is copied to **fan**'s STDERR. An in or out program failing just filters out that program and the rest of **fan** keeps running. **fan** exits once all of its programs exit.