Rules of Inference

P Modus ponens ("method of placing")

p -> q Modus tollers ("method of taking")

P Addition

PAq Simplification

P Conjunction

P > q q > r Hypothetical syllogism (if relies on q, and q relies on p, then ralso relies on p

if p or q are needed for a job,

Disjunctive syllogism and the job was done,
but p did not do the job,
then q did the job

PV9

Pesolution (pano up cancel out, so)

the situation win be resolved by q v r