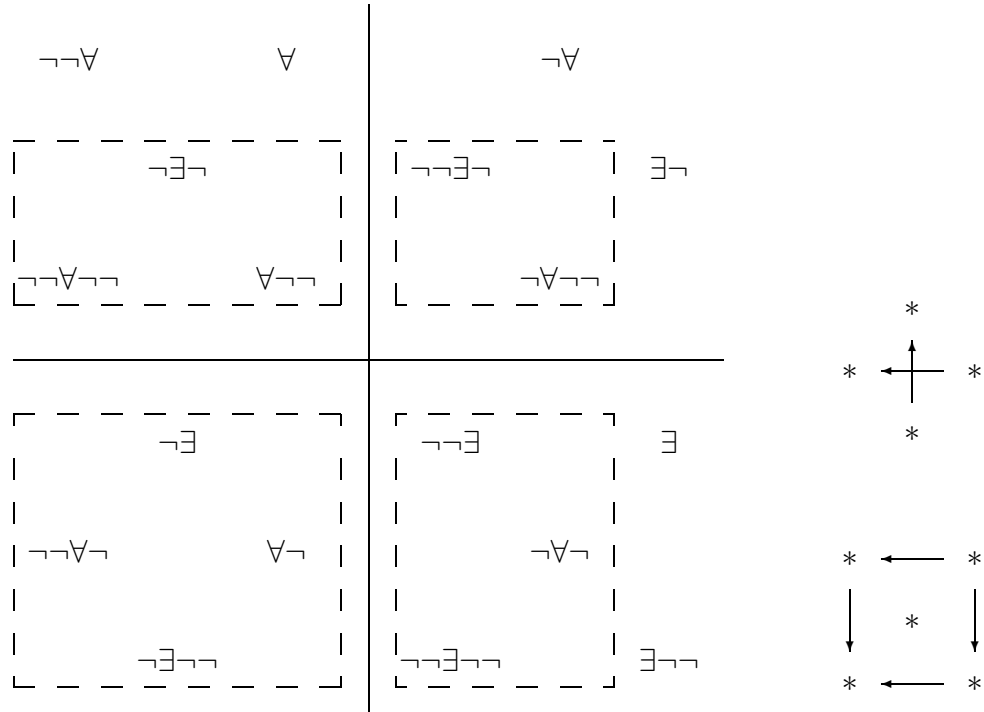


The magic constructive quantifier diagram

kw@cs.cmu.edu



The four quadrants are the classical equivalence classes of constructive quantifiers. Within each quadrant the boxed constructive quantifiers are equivalent, and no other equivalences hold generally. In addition, constructive implications hold within each quadrant as indicated by the schemes to the right, all these being generated by the law $P \rightarrow \neg\neg P$. These suffice to totally order the equivalence classes of quantifiers within each quadrant.