1053-03-60   **Neil W Tennant*** (`tennant.9@osu.edu`), Department of Philosophy, 230 North Oval Mall, The
Ohio State University, Columbus, OH 43210. *Cut for Core Logic.* Preliminary report.

Core logic is a very natural subsystem of classical logic. Its deductive rules are obtained by smooth generalization from the rules we use to evaluate sentences as true or as false. It is constructive and relevant. Its rules are formulated in such a way that its proofs are always in normal form. In this study we establish an appropriate form of 'cut-elimination' theorem for core logic. It ensures transitivity of core deducibility wherever it is called for. (Received August 02, 2009)