1019-13-39   **Irena Swanson*** (`iswanson@reed.edu`), 3203 SE Woodstock Blvd, Portland, OR 97202. *On the number of Rees valuations.* Preliminary report.

Rees proved that for every nonzero ideal in a Noetherian domain there exists a unique finite minimal set of valuations that determine the integral closures of all the powers of this ideal. This same set also plays a role in computing the adjoints of powers this same ideal (this is recent work of Huebl and Swanson). Cutkosky proved that there exists a two-dimensional Noetherian normal local domain in which every zero-dimensional ideal has at least two Rees valuations. This is a preliminary report on an upper bound on the number of Rees valuations of ideals in Noetherian domains. Part of the work is joint work with Anna Guerrieri. (Received July 28, 2006)