1014-06-1452   **I V Cane*** (`icane@wesleyan.edu`), 24 Victory Court, New Britain, CT 06051-1329. *Shellability properties on planar graded posets.*

We investigate relations between different poset properties like Cohen-Macaulayness, shellability, lexicographic shellability, CL-shellability, EC-shellability, S-ordering and being rank-connected. We prove that in case of planar graded posets all this notions are equivalent to each-other. (Received September 28, 2005)