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Guoli Ding* (ding@math.lsu.edu) and **Shilin Wang**. *Rooted graphs without a heavy path*. Preliminary report.

A *rooted graph* consists of a graph G and a subset R of $V(G)$. For any path P of G , we call $|R \cap V(P)|$ the *weight* of P . We characterize rooted graphs that do not contain a heavy path. We also present a couple of related results. (Received February 09, 2018)