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Rearrangeability Numbers: Bounds on Tournaments and Meshes. Preliminary report.

This article presents several bounds on the rearrangeability of certain networks, including tournaments and rectangular meshes. Examples and adjustments are given for *Rearrangeable Graphs* (Hu, Zhang, Shen 1999). Extending the inquiry therein, a strategy for forming arbitrarily large rearrangeable tournaments is given. In addition, a routing strategy on product graphs produces an exact rearrangeability number for some rectangular meshes, and another means of arriving at an upper bound of $\chi_{Q_n} \leq 2$ for hypercube graphs. (Received October 03, 2000)