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*Characterizing Interval Tournaments.*

Interval digraphs and interval digraphs are related by the usual correspondence between directed graphs and bipartite graphs. Using results from both viewpoints, we give a characterization of tournaments that can be realized as interval digraphs. As a consequence, we obtain an efficient algorithm to recognize the associated restricted class of interval bigraphs. Conversely, we also obtain results on the complexity of finding a maximum induced subgraph of a bipartite graph  $G$  which can be realized as an interval bigraph. (Received September 12, 2007)