In the study of linear programming, matroids, and graph theory, signed graphs have become a prominent feature. (A signed graph is a graph along with a labeling of the edges with elements of the group of order 2 , often denoted by $\{+1,-1\}$.) In many places where signed graphs are used, the signed graph $-K_{5}$ appears and plays an important role. (The signed graph $-K_{5}$ has $K_{5}$ as its underlying graph and all edges are labeled with -1 .) We will discuss some of these places, their known results, and conjectures. (Received January 27, 2010)

