1014-05-361 **Atif Abueida**, **Sally Clark*** (`sclark@bsc.edu`) and **David Leach**. *Some results on Multidecompositions with the Order 4 Graph-Pair.*

A *graph-pair of order t* is a pair of non-isomorphic graphs G and H on t non-isolated vertices, such that $G \cup H \cong K_t$ for some integer $t \geq 4$. Given such a graph-pair (G, H), a $(G, H) - multidecomposition$ of a graph J is a decomposition of J into copies of G and H, including at least one copy of each. In this paper, we give constructions for (G, H)-decompositions of $K_n - L$, for certain leaves L, where (G, H) is the unique graph-pair on 4 vertices. (Received September 12, 2005)