

Theorem 5.22

A non-trivial graph G is k -edge-connected *if and only if* G contains k pairwise edge-disjoint u — v paths for each u, v of distinct vertices of G .

Symbolically: A non-trivial graph G is k -edge-connected $\Leftrightarrow G$ contains k pairwise edge-disjoint u — v paths for each u, v of distinct vertices of G .