1112-05-677 **Xiaofeng Gu***, Department of Mathematics, University of West Georgia, 1601 Maple Street, Carrollton, GA 30118. *Packing spanning trees and spanning 2-connected k-edge-connected essentially $(2k-1)$-edge-connected subgraphs.*

It is proved that every $(4kp-2p+2q)$-connected graph contains p spanning subgraphs G_i for $1 \leq i \leq p$ and q spanning trees such that all $p+q$ subgraphs are pair-wise edge-disjoint and such that each G_i is k-edge-connected, essentially $(2k-1)$-edge-connected, and $G_i - v$ is $(k-1)$-edge-connected for all $v \in V(G)$. This extends the well-known result of Nash-Williams and Tutte on packing spanning trees, a theorem that every $6p$-connected graph contains p edge-disjoint spanning 2-connected subgraphs, and a theorem that every $(6p+2q)$-connected graph contains edge-disjoint p spanning 2-connected subgraphs and q spanning trees. (Received August 11, 2015)