HW8

December 4, 2024

Name:		

- a) For any pair of natural numbers k and ℓ , where $\ell \leq k$, find a graph G such that $k_e(G) = k$ and $k_v(G) = \ell$. [7.5 points]
- b) Prove that every vertex 2-connected graph on n vertices has at least n spanning trees. When does equality occur? [7.5 points]