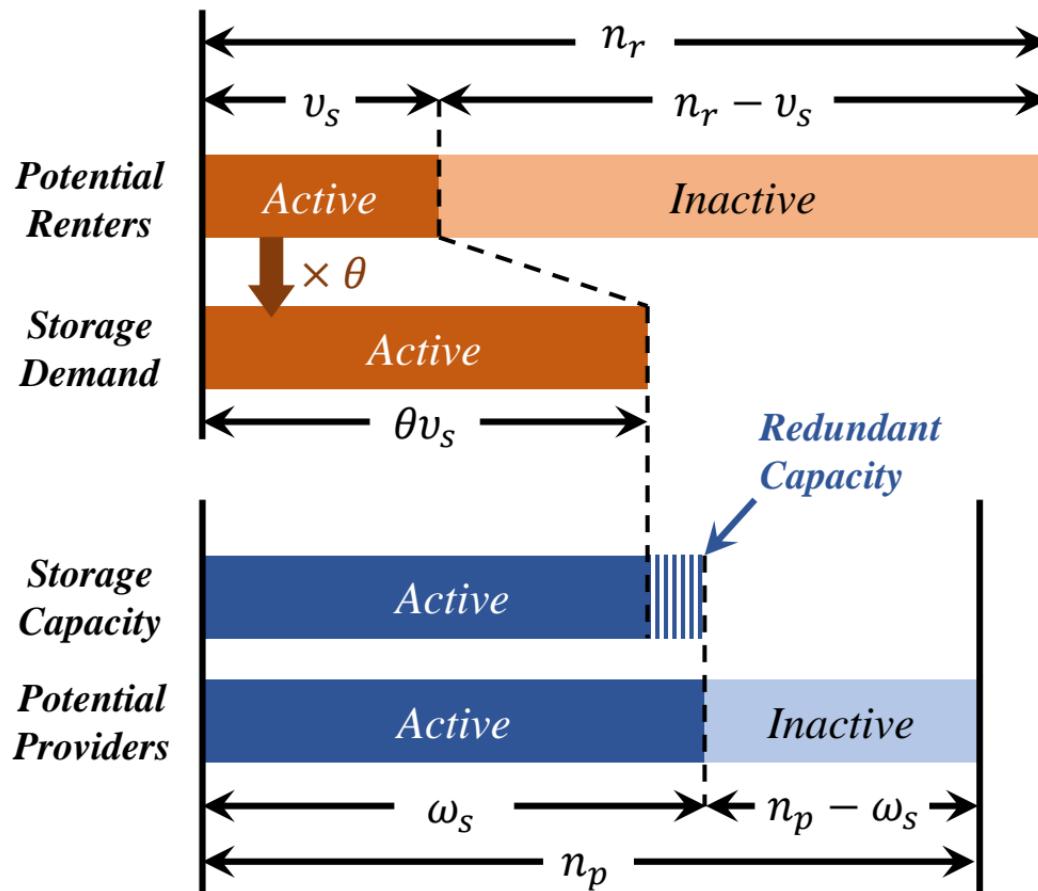


(i) $\theta v_s \leq \omega_s$



(ii) $\theta v_s > \omega_s$

