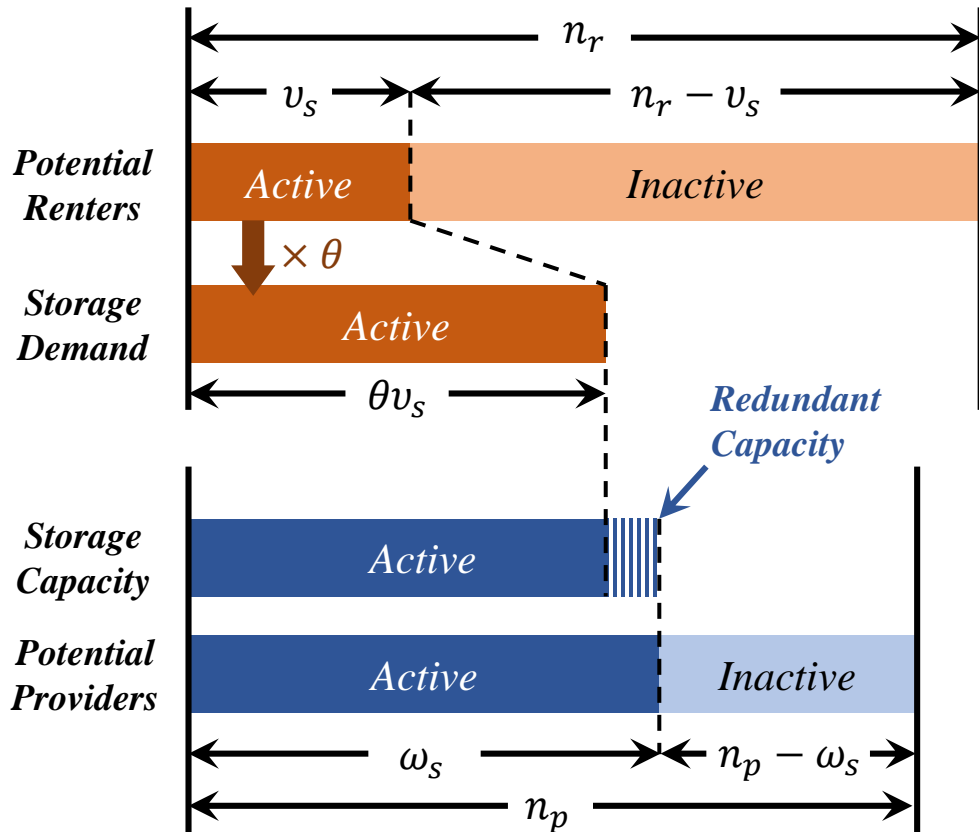


$$(i) \theta v_s \leq \omega_s$$



$$(ii) \theta v_s > \omega_s$$

