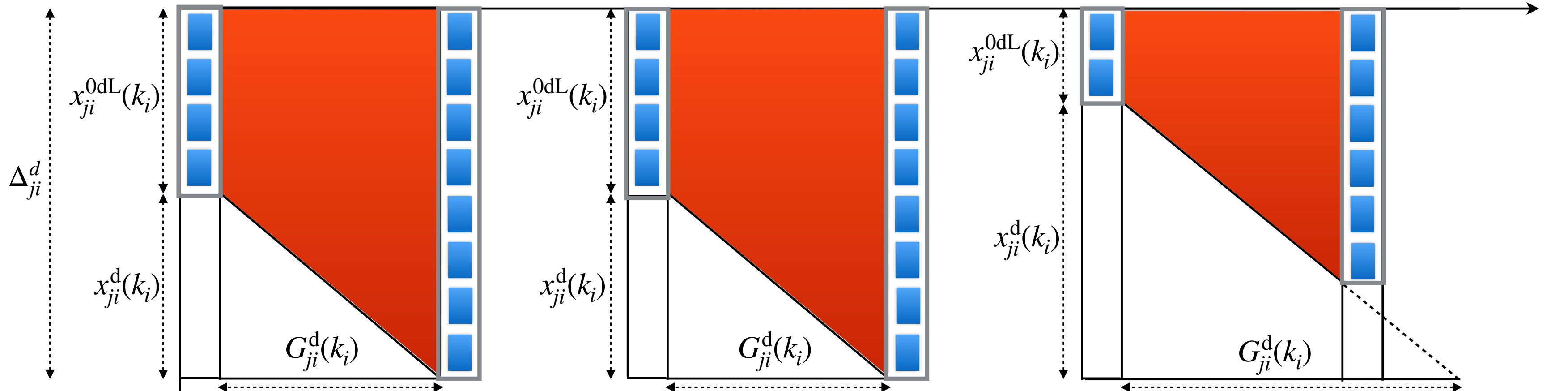
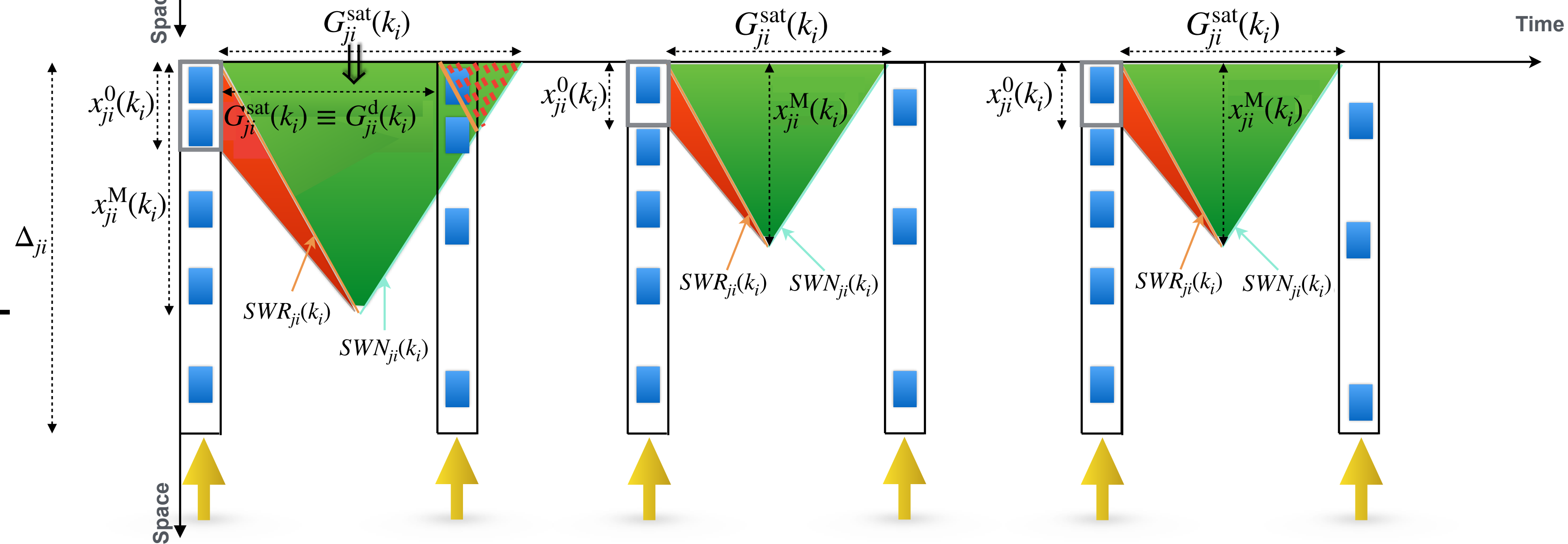


Downstream



Upstream



a) $G_{ji}^{sat}(k_i) > G_{ji}^d(k_i) \Rightarrow G_{ji}^{sat}(k_i) \equiv G_{ji}^d(k_i)$
 $x_{ji}^M(k_i) > x_{ji}^d(k_i)$

b) $G_{ji}^{sat}(k_i) \equiv G_{ji}^d(k_i)$
 $x_{ji}^M(k_i) \equiv x_{ji}^d(k_i)$

c) $G_{ji}^{sat}(k_i) < G_{ji}^d(k_i)$
 $x_{ji}^M(k_i) < x_{ji}^d(k_i)$