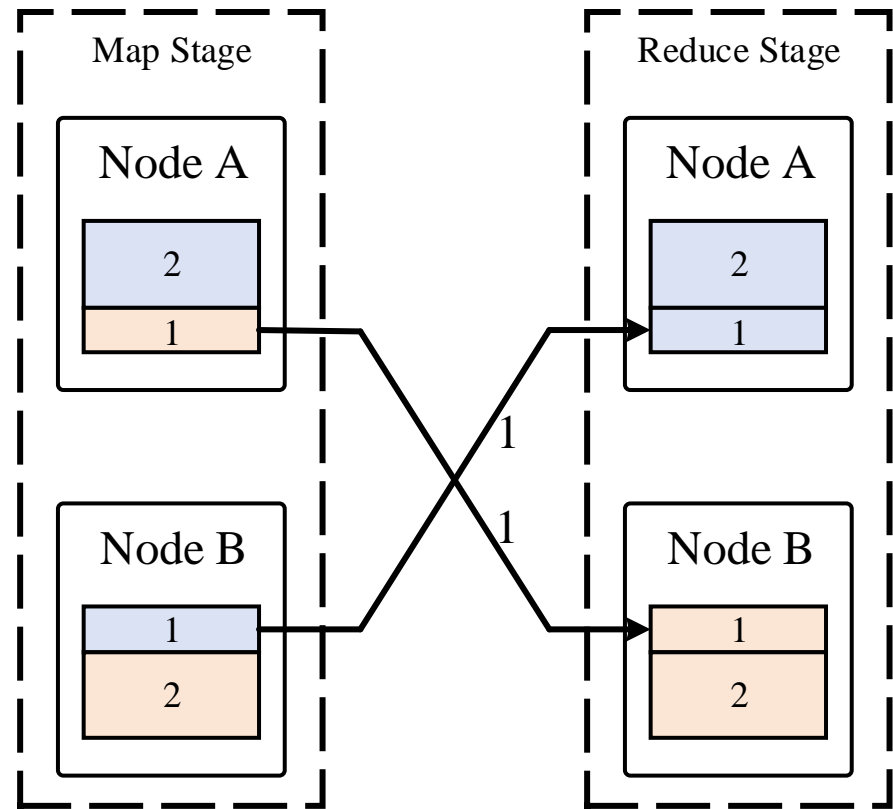(a) Load Balancing without Locality

(b) Load Balancing with Locality