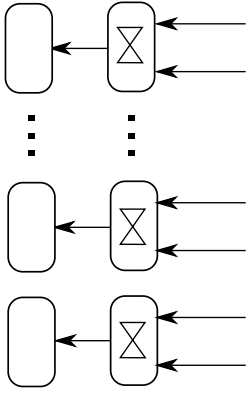


(a) Initial path network



(b) Path network augmented with waypoints required for external join

