



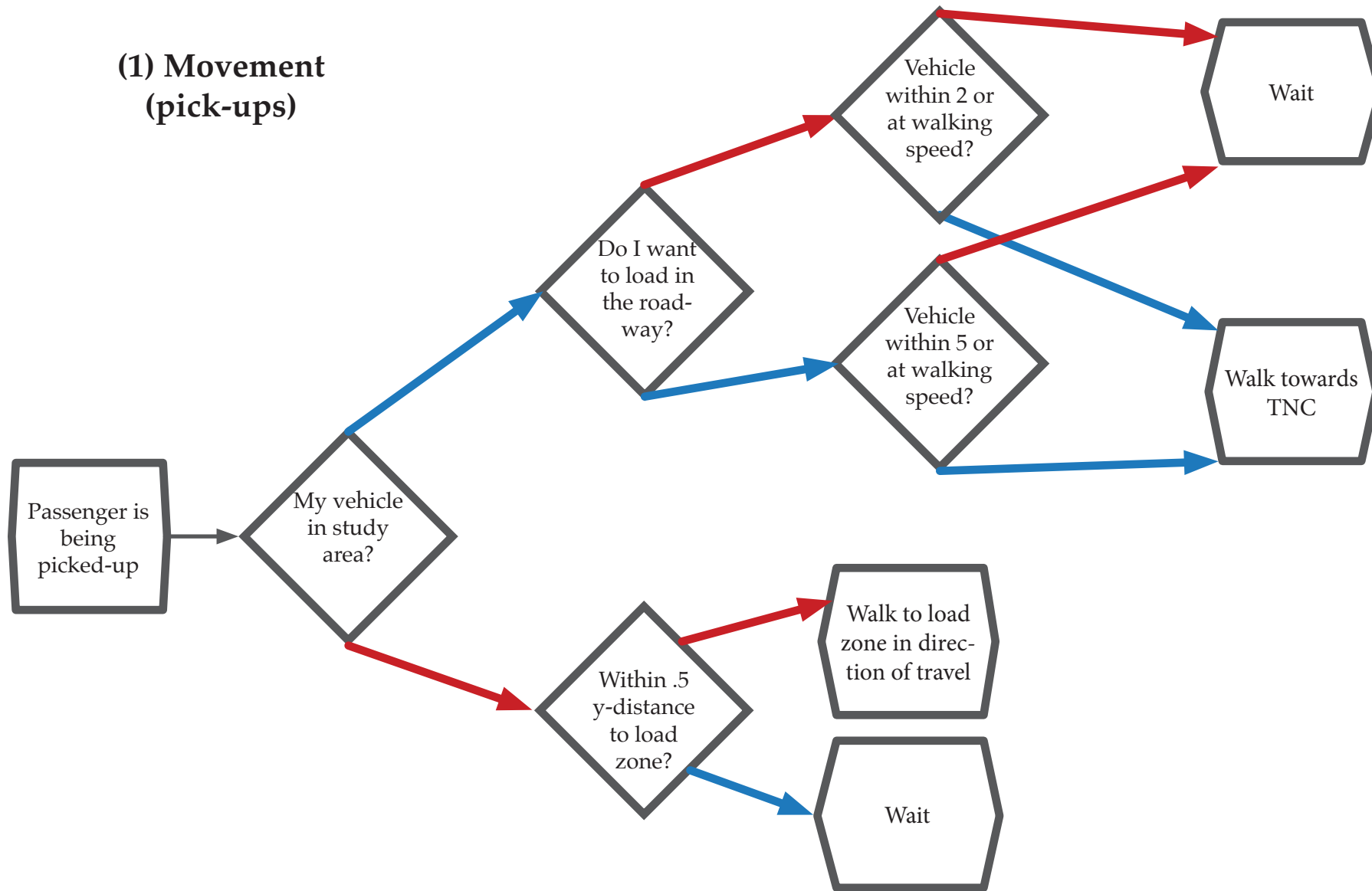
N.B.: in the NetLogo code, the classes ("breeds") of agents are: TNCs, parked cars (not private vehicles), passengers, and private vehicles (parking or otherwise). Logic models for some agent-classes are broken into sub-classes for ease of review.

fig. 1 - classes of logic models

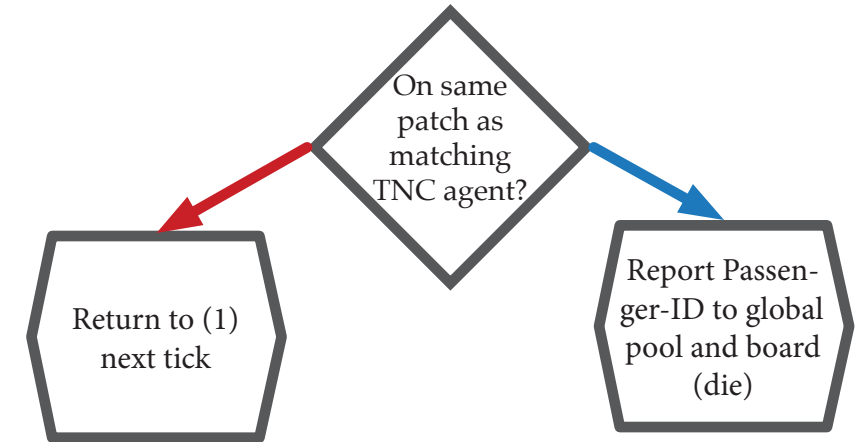
fig. 2 -- Passengers

yes 
no 

**(1) Movement
(pick-ups)**



**(2) Boarding
(pick-ups)**



**(3) Movement
(drop-offs)**

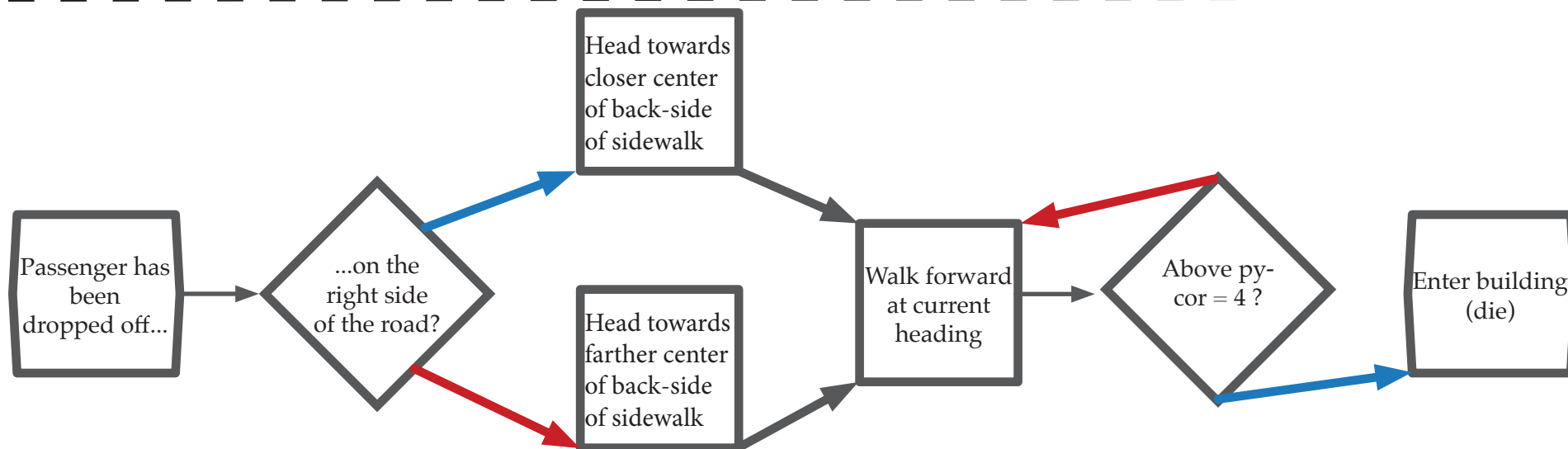




fig. 3 -- Private vehicles

*N.B. for Links 1 & 2: "patience" parameter and commands are only relevant to private vehicle agents; all others assume patience > 0.

yes 
no 

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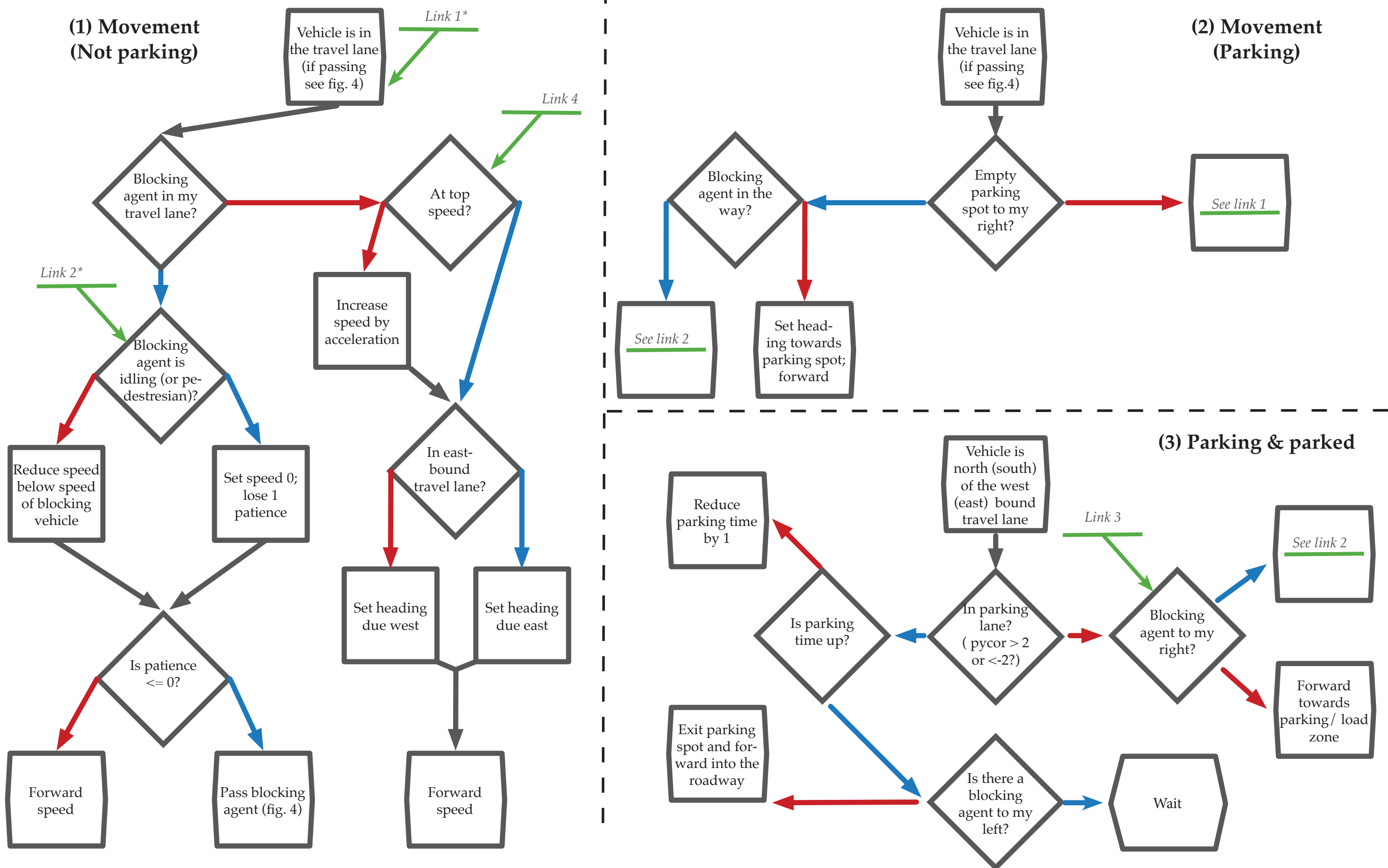
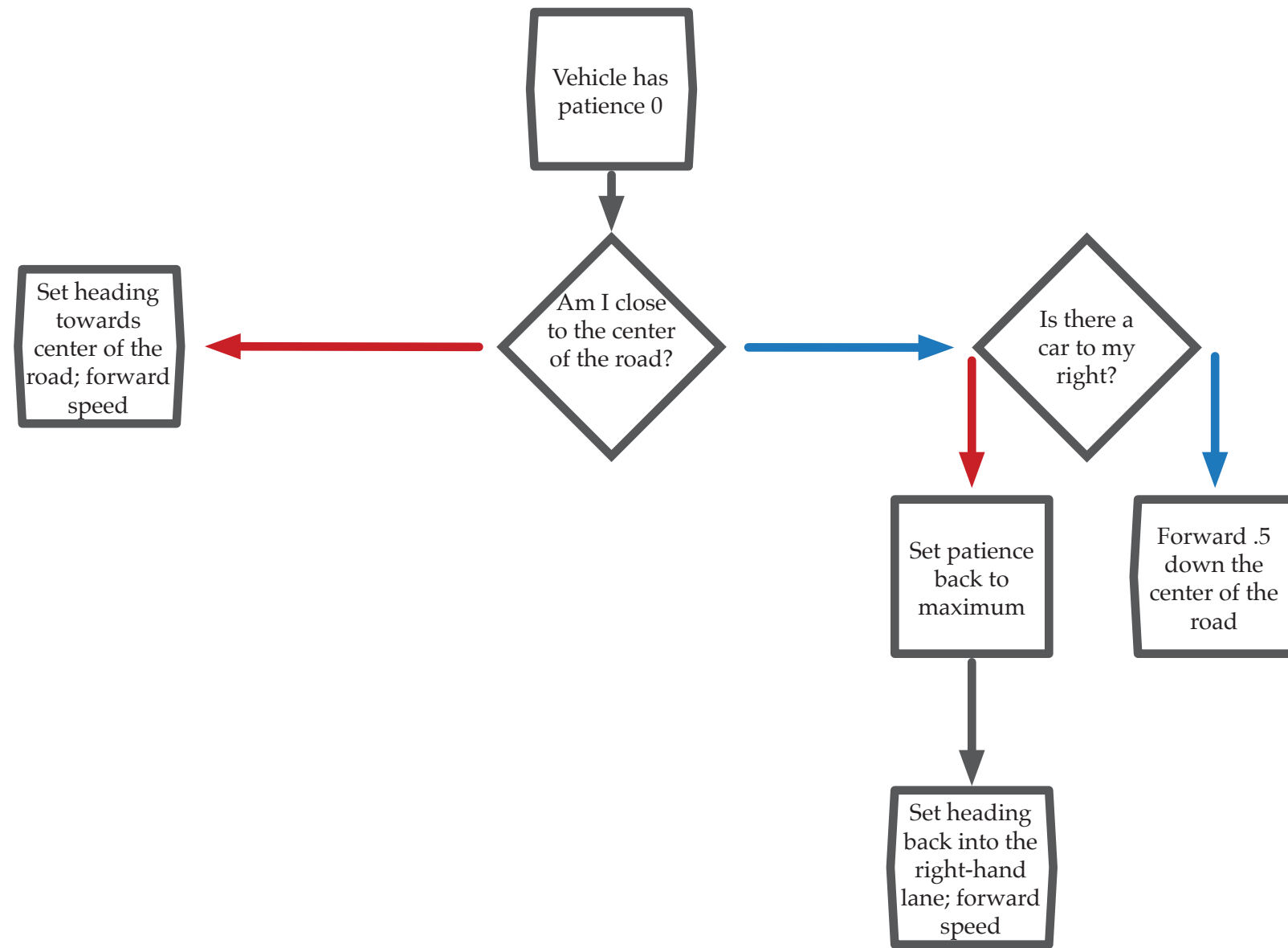


fig. 4 -- Private vehicles

(1) Passing



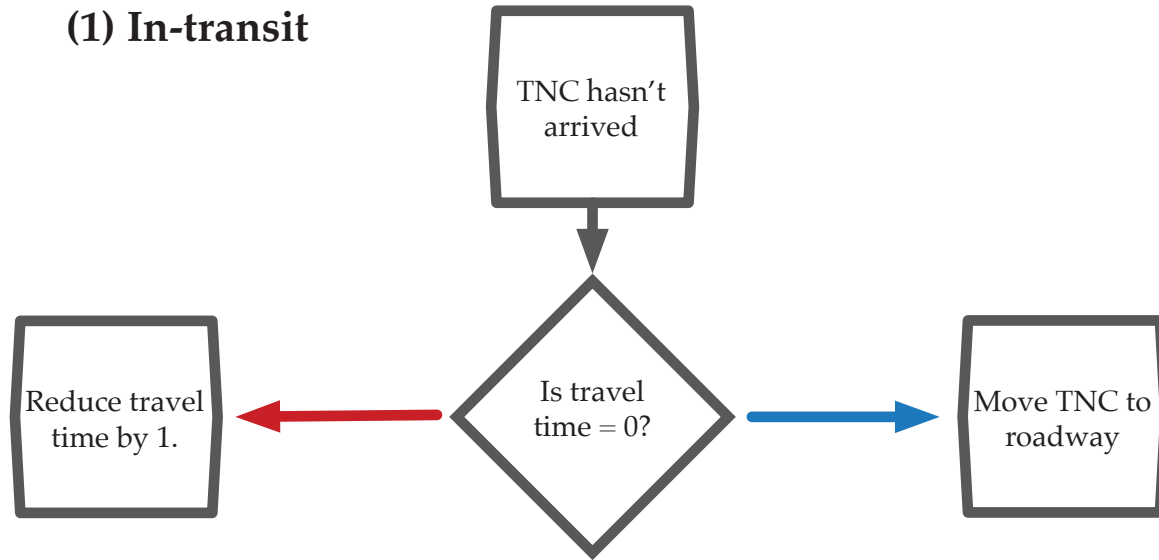
yes →

no →

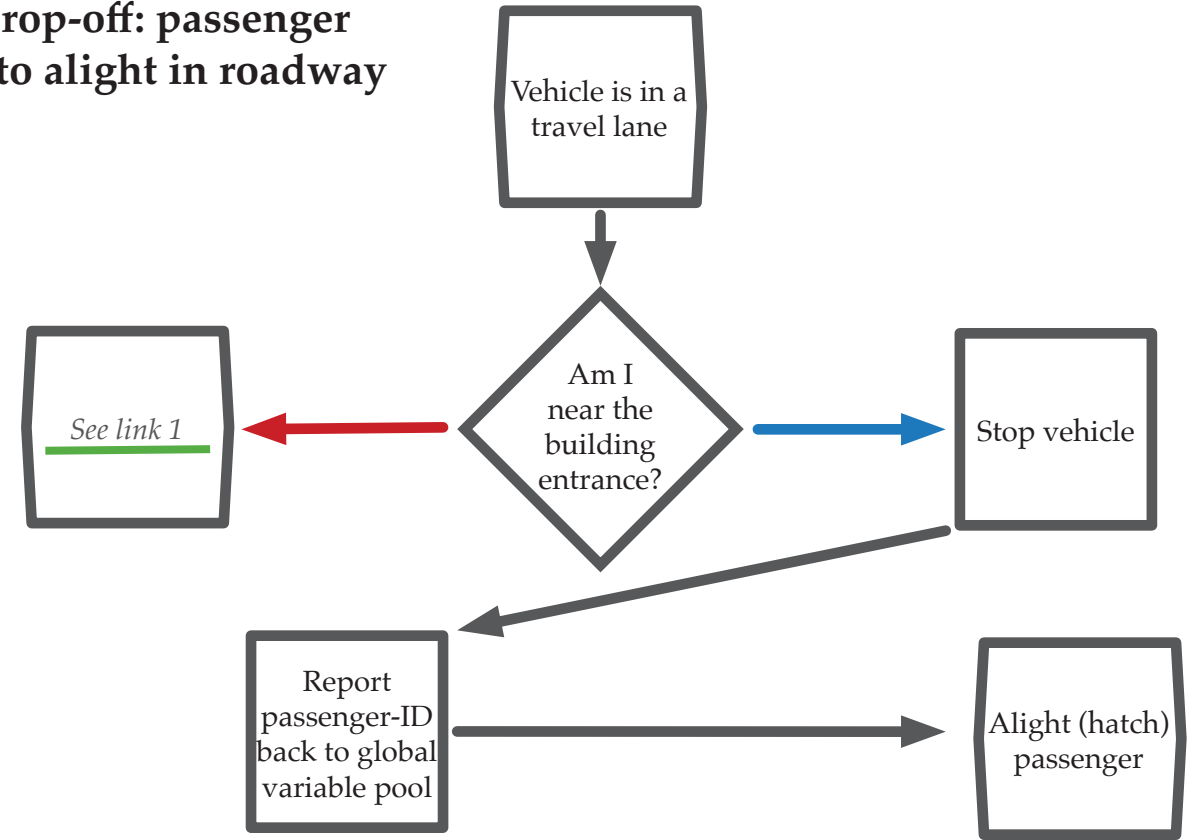
fig. 5 -- TNCs - drop-offs (full)

yes →
no →

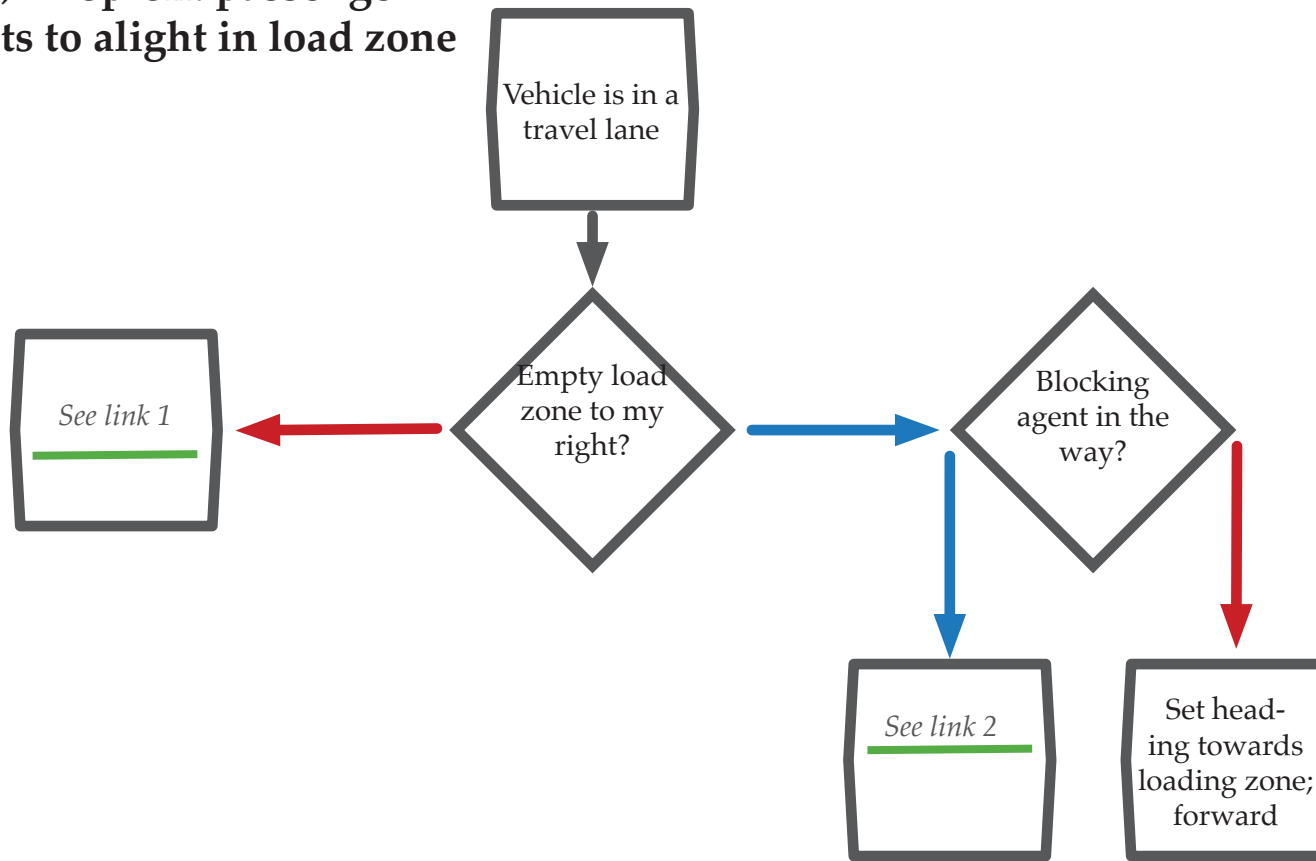
(1) In-transit



(3) Drop-off: passenger wants to alight in roadway



(2) Drop-off: passenger wants to alight in load zone



(4) Drop-off: vehicle is pulling into load zone

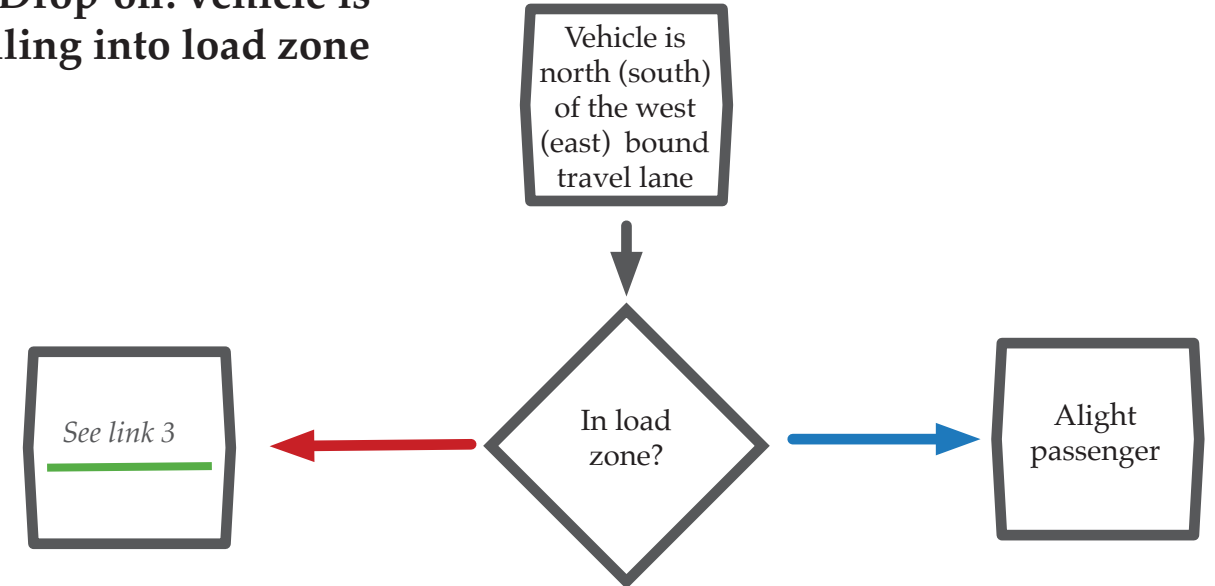
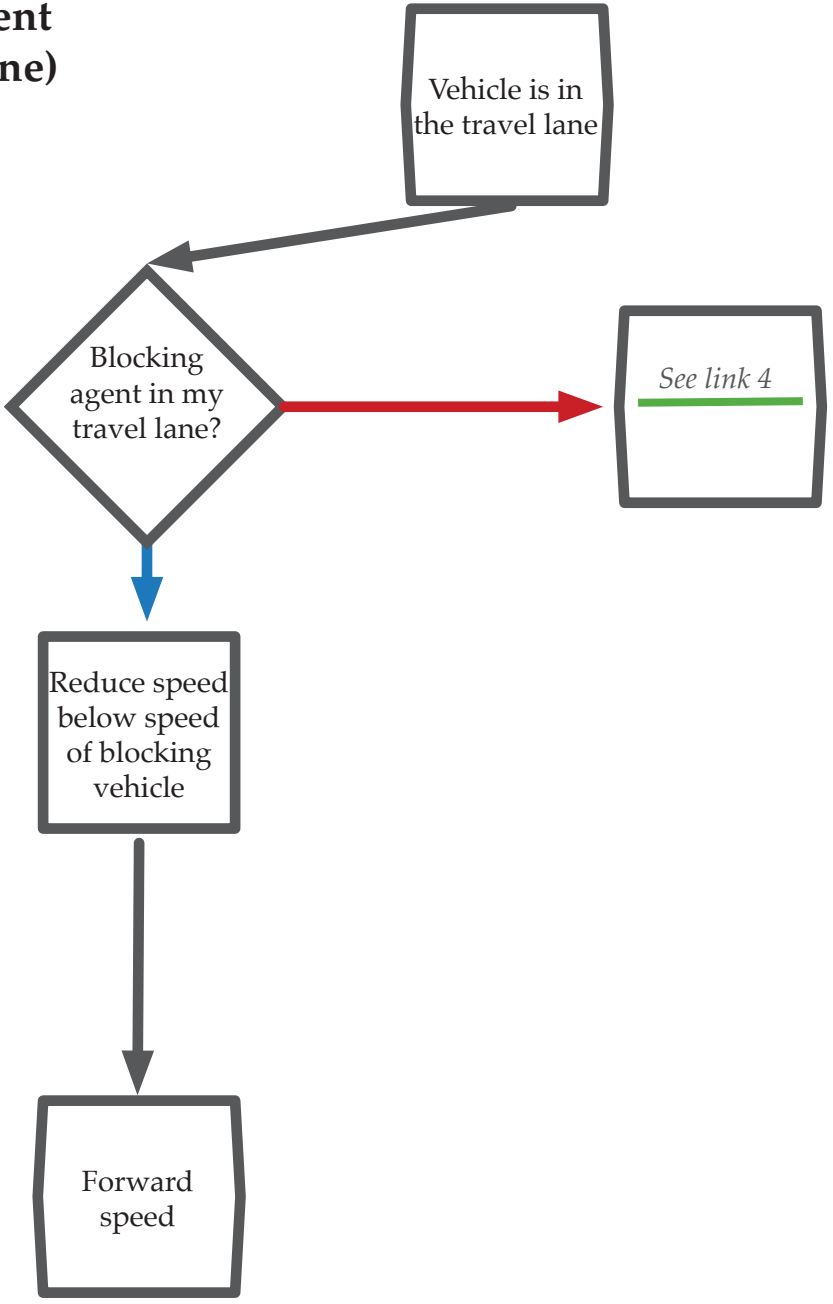


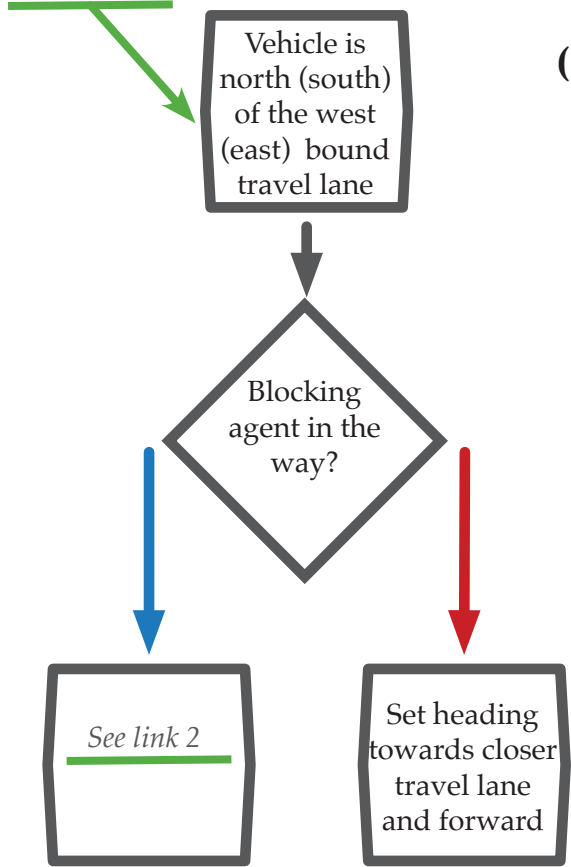
fig. 6 -- TNCs - drop-offs
(empty)

**(1) Movement
(in travel lane)**



yes → (blue arrow)
no → (red arrow)

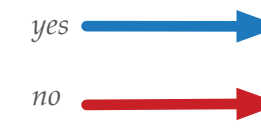
Link 5



**(2) Movement
(exiting load zone)**



fig. 7 -- TNCs - pick-ups
(empty)



(1) Movement

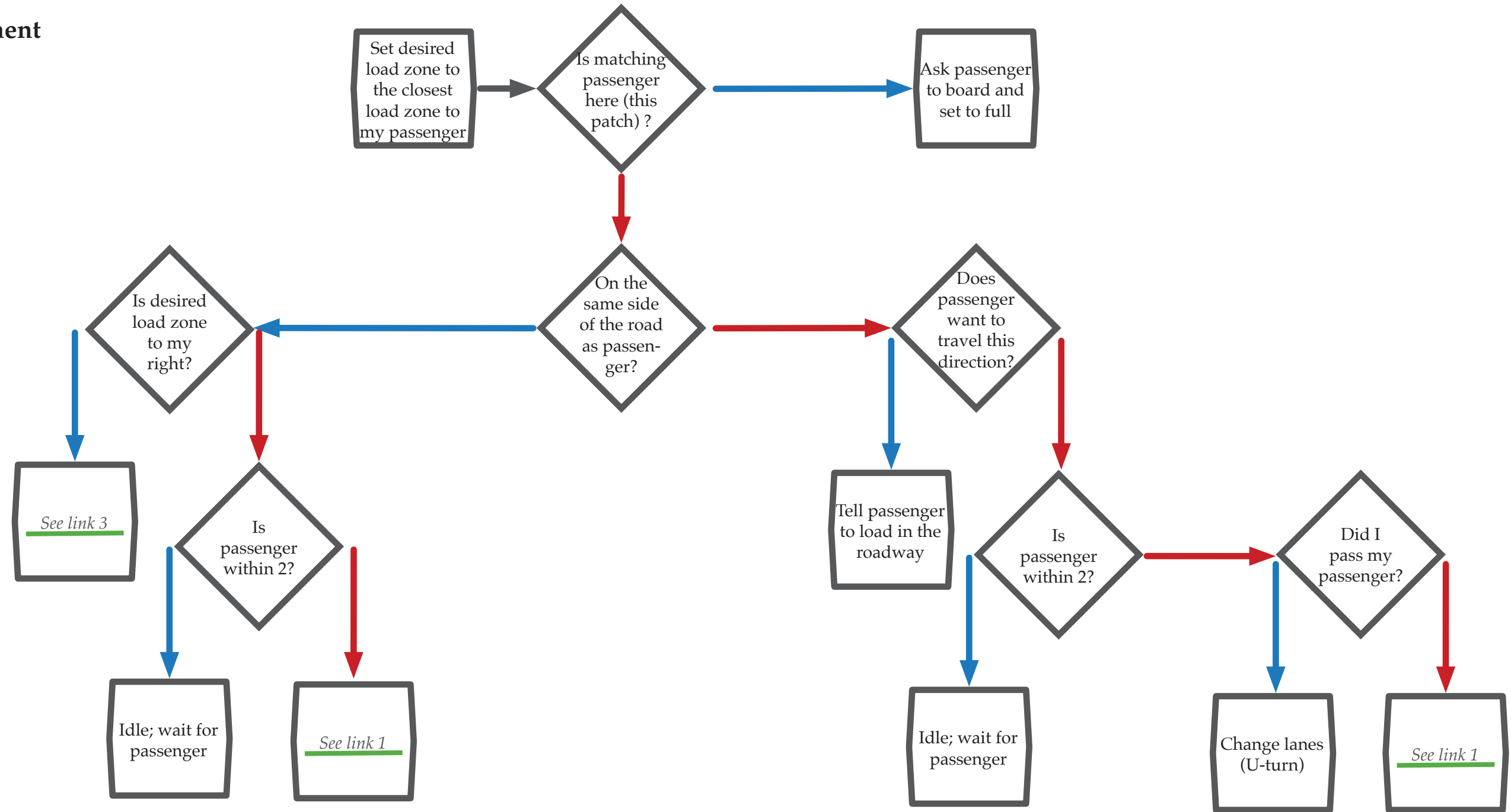
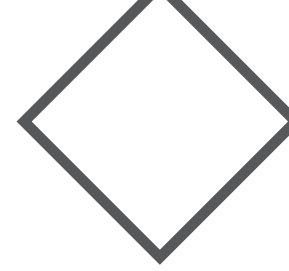
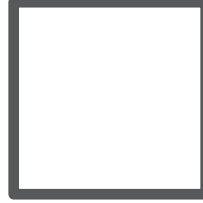
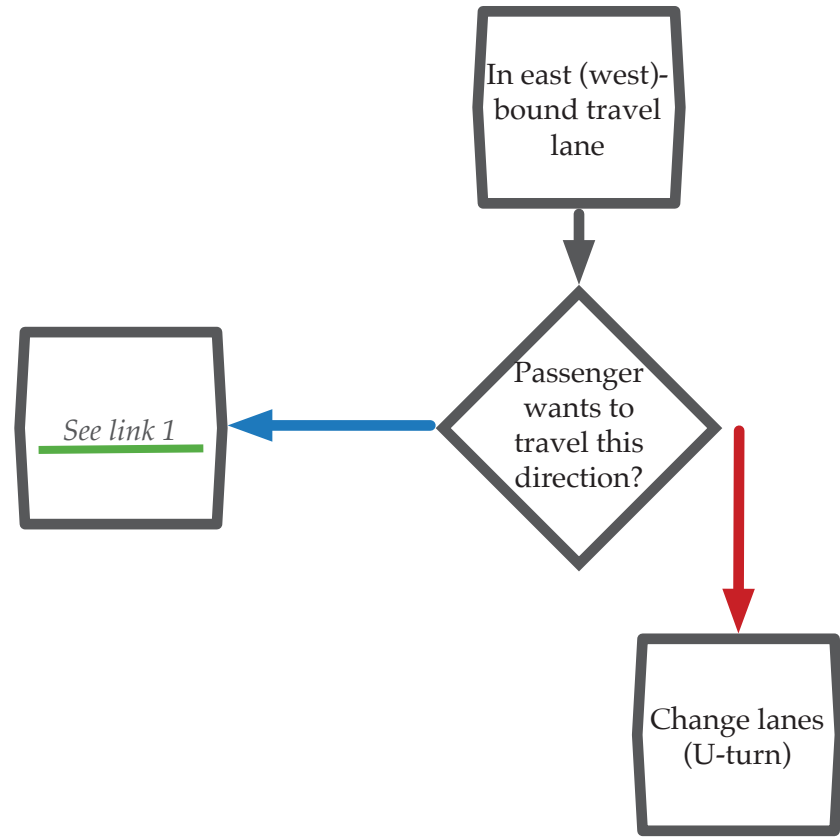


fig. 8 -- TNCs - pick-ups
(full)

**(1) Movement
(in travel lane)**

**(2) Movement
(exiting load zone)**



yes

no

