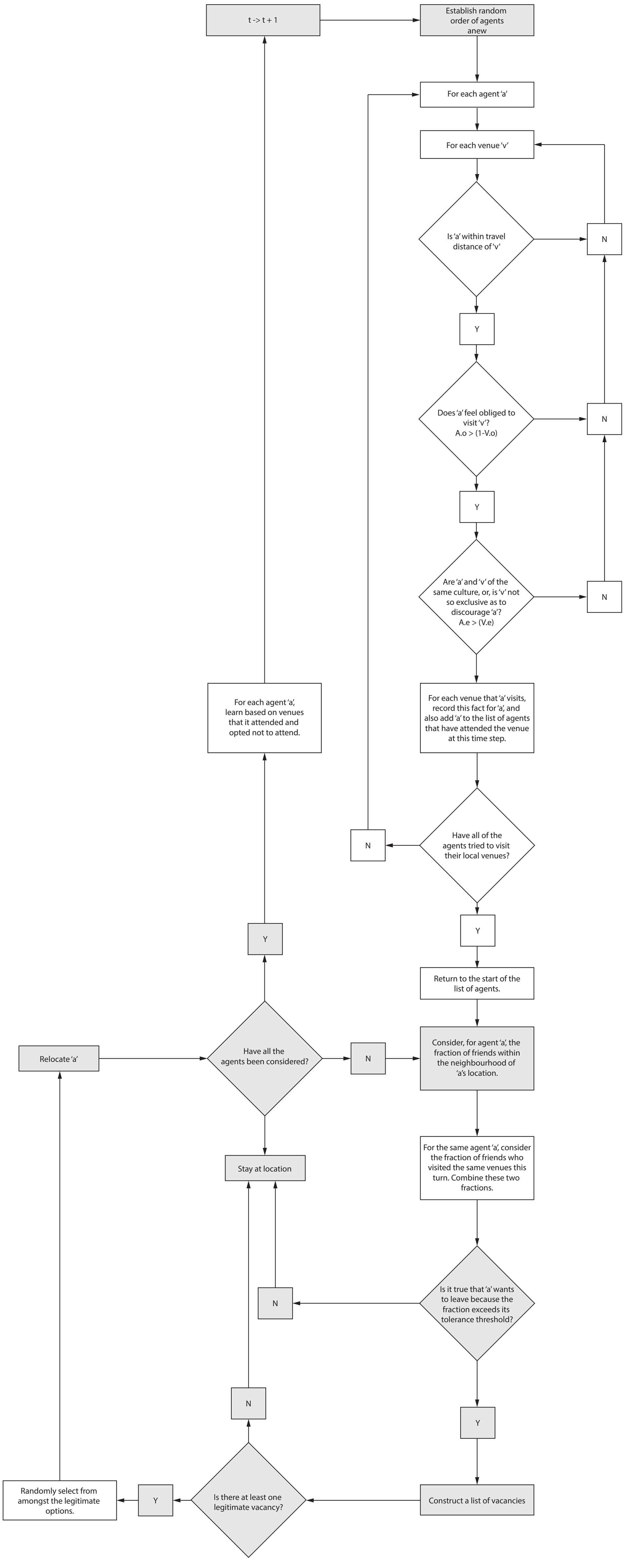
t -> t + 1
Establish random order of agents anew
For each agent 'a'
For each venue 'v'
Is 'a' within travel distance of 'v'
N
Y
Does 'a' feel obliged to visit 'v'? A.o > (1-V.o)
N
Y
Are 'a' and 'v' of the same culture, or, is 'v' not so exclusive as to discourage 'a'? A.e > (V.e)
N
For each venue that 'a' visits, record this fact for 'a', and also add 'a' to the list of agents that have attended the venue at this time step.
For each agent 'a', learn based on venues that it attended and opted not to attend.
Have all of the agents tried to visit their local venues?
N
Y
Return to the start of the list of agents.
Relocate 'a'
Have all the agents been considered?
N
Consider, for agent 'a', the fraction of friends within the neighbourhood of 'a's location.
Y
Stay at location
For the same agent 'a', consider the fraction of friends who visited the same venues this turn. Combine these two fractions.
Is it true that 'a' wants to leave because the fraction exceeds its tolerance threshold?
N
Y
N
Randomly select from amongst the legitimate options.
Y
Is there at least one legitimate vacancy?
Construct a list of vacancies