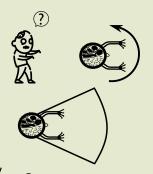


Zs are walking around randomly at walkSpeed They can rotate up to zombieMaxRotation degrees

Zs perceive the world within a zombiePerception radius

When a H is within zombiePerception radius, a Z will engage pursuit For the duration of pursuit, Zs run at zombieRunspeed

Each pursuing Z releases pheromones on ground tiles Zs are attracted by pheromones inside their zombiePerception radius







are Hs with their own parameter values, usually better than civilians.



representation in the GUI:

Hs are walking around randomly at walkSpeed They can rotate up to humanMaxRotation degrees



If Hs are informed about rescue zone locations, they move towards the nearest one informed Hs can share the rescue zone locations with others with a humanInformProbability chance

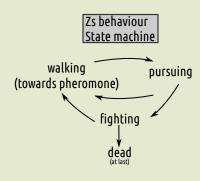


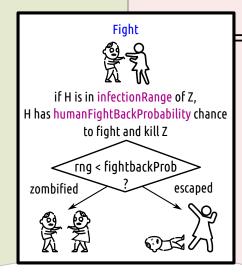
Hs perceive the world within a humanPerception radius when a Z is within humanPerception radius, Hs try to flee

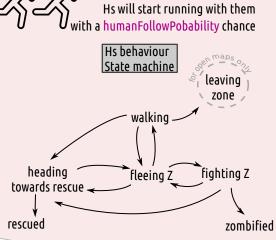
Upon seeing another H running,



During flee, Hs run at humanRunspeed and have a humanExhaustionProbability risk of becoming exhausted and stop running







Environment and global parameters



zombiePheromoneEvaporation set the rate of evaporation.



There is numberZombies of Zs at the beginning,



and numberHumans of Hs,



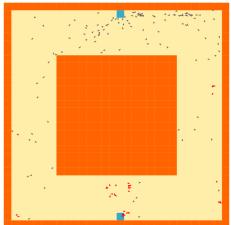
among which a humanInformedRatio is aware of the rescue point location



and armySize soldiers, if ArmyOptionis set to Army

The world

As a raster



Stadium: 4 rescue zones of width 1







Other built-in worlds



stadium: 2 rescue zones of width 1



iaude: one rescue zone of width 1



1 simulation step: 1 s 1 simulation: 500 steps