

FSM of general Cell

- ① general - needs energy, can become any cell,
can absorb organic and transform it to energy
it can create up to 3 new cells, between each
new cell it creates wood, and then becomes
seed. General cell can move until it creates
first new cell

* Each cell when dies left energy and organic

* Each cell has TTL, except general it lives until has energy

* to much organic = infection, only root can survive here

* to much energy = deadly charge, only antenna can leave here,
decreases with time

* general cell can eat any cell except root and wood to receive
energy

GCell: { Energy

cells_created ≤ 3

wooded = 0/1

organic

}

Actions: Move / Absorb / Create Cell / Becomes new Cell /
Eat Cell / Die

GCell : { Energy
 cells_created <= 3
 wadded = 0/1
 organic
 }

coordinates: (x,y)

Actions: Move/Absorb/Create_Cell/Becomes new Cell/
 Eat Cell/Die

Absorb = organic + 1
 Move/Create_Cell/Become Cell/= Energy - 1
 Eat Cell = Energy + 1

