Sugarscafe tog modul
- Environment
-> 50 x 50 grid
-) ( $-$ )
-> Grid to can be in the cell.
- Sugar cafacity 7 - Sugar Cevel  - Aeront of Syan in
- Agrount of Sugar in
- Sugar capacity can vary former
Cell to cell
- Suger cerpainty is fixed.
-D Grow boek function:
- At each Cell, Sugar, grave back
at a rate of a units for time-stell up to cells capacity.
time-51ed left to cells capacity.

Agents

Frery agent but characteristics
That Condition This Ski'lls.
and Cafacities.

-D here attributes are:

The chax number of cells

The agent con see in each

of the fair Prheighe Cathicles

N. E, S, W.

De Metabolic rote of which leterns the unit of Suger on agent burns each the Step.

-DA Maximum age max-Age which refregues the masshrun It timesless the agent can like. -D Sugar wearth 5\_wealth a conter they is increwented at the end of coeh the Stef by the Suger collected and deremented by the agents refabilic roje

So Agent of (Sugar-w) = Sugar bluff

Hyper Charitre (furthous) D'Agent Macmeet (rule) Cells with vision, incl Lonce Starthy on . Idutify 2 mont of Sugar, Select Me Nearest are Condonly Lif More is wore then one),

and collect au

Sugar i. Increwent Sugar health 4 Fate. 1/ Agent Sweeth - Methodic Sen die (agent).

-D Hgent Replacement rule R. - schenever an agent dies it is replaced by a new lagurt of age = 0, Menced on a randonly choses
anoceupied cell, henry rouder attributes v, Lauden initier 5\_ wearon. 4 from aniform dishibuters aith roggs sperified in Table 1.

lattice leigh L 50 C=0 white C>0 Sugar C=0,4,2,30,4. Ceus sugar capacity distribution Grown rate a 250 Number of agurs N U[5,25] Agens init wearn Sween U[1,4] Agus metaboux rate M dist U[1,6] Agurs vision V dist Agens wax. Age dist U[60,100] C = cers sugar capacity.

Table 1

Initial State -D Fach Cell contents a Suger level [0,4] cafacty D 250 aguss are acosted as a sandan unocensied initial Cocasion and who random asprisons (using the Unform dishibutions chicused in Table 1).