1 Interpolation with AMR

GRTeclyn Farm shop
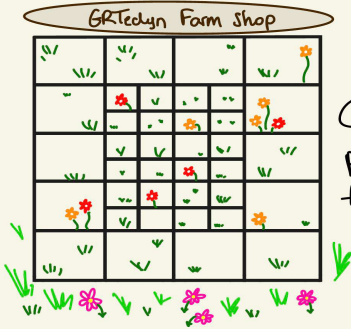
GRTeclyn has several plots of land (cells) for planting (interpolating)

2 Preparation

GRTeclyn Farm shop
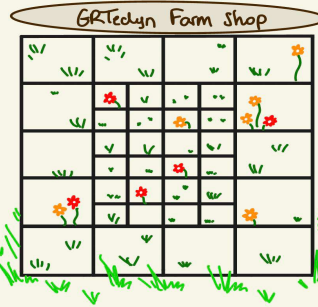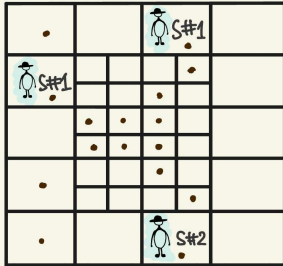
To facilitate the process GRTeclyn hired:
(i) N supervisors
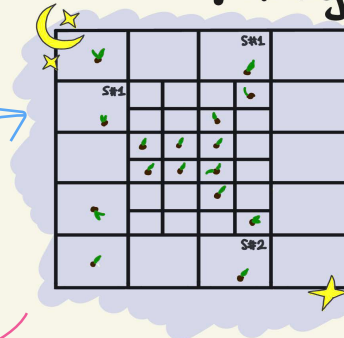(ii) N gardeners

Gardeners report to the supervisors.

3 Where to interpolate?

S#1
S#1
S#2

Each supervisor picks a random seed from a bag and drops it in a chosen plot of land.

S#1

? ? ?

×N

SEEDS
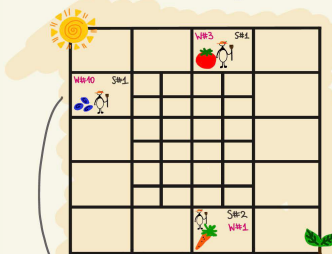
→ Supervisor #1

4 A magical spell

S#1
S#1
S#2

At night, an agricultural (interpolating) wizzard comes to the planted plots of land.

Quarticus Lagrangeius!

Suddenly, all the crops start to grow!

5 Communicate

W#3 S#1
W#10 S#1
S#2 W#1

In the day, Redistribute() function is called: each gardener is sent to their plot of land to find out what has grown on it and report it to the supervisor, who planted that seed.

→ Worker #1 reports "carrot" to supervisor #2.

Worker #10 reports "blueberries" to supervisor #1

6 Finalise

FRESH PRODUCE   FRESH PRODUCE
W#10   S#2
S#1   W#10
W#3
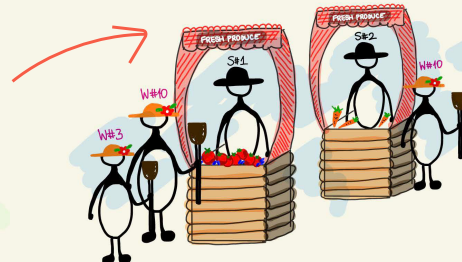
Finally, the fruits and vegetables (interpolated points) are sold at the market (prepared for writing to a file).