

Task

‘Global’ goal;
eg, ‘Sum two
numbers’

Strategy

Define the **steps** necessary, and approach. More than one step can be available active at once; some steps are unlocked only when certain other steps have been completed (as in the tree diagram drawing)

Step

A piece in the strategy map; A step is composed of **jobs**. As exposed jobs in the step are completed, other jobs might be emitted

Job

A serial list of **actions** that will complete the job.

Actions

The smallest unit of ant behaviour; for example, ‘pick up’, ‘move to’, ‘put down’

Step 1

Lay out A

Jobs

1) Place grain in A_0

Actions

- a) Find grain
- b) Transit to grain
- c) Pick up...
- d) Etc...

2) Place grain in A_1

3) Place grain in A_2

4) Place grain in A_3

Step 2

Lay out B

Jobs

1) Place grain in B_0

Actions

- a) Find grain
- b) Transit to grain
- c) Pick up...
- d) Etc...

2) Place grain in B_1

3) Place grain in B_2

4) Place grain in B_3

- Steps are configured in a tree; as certain conditions are met (i.e. , pair A_i and B_i becomes available), more steps are unlocked)
- The completion of jobs in two different steps may lead to another step becoming available – HOWEVER, jobs are standalone items and are not directly linked to triggering steps.
- As the number of named variables are small, a virtual representation of the calculation tracks which values in the process become available for calculation.