

Train your computer to do maths

Phil Bagge
code-it.co.uk

Computers know nothing



The don't even know how to speak



Humans have to train computers



They do this by writing sets of instructions for the computer to follow called an Algorithm



Humans turn the Algorithm (sets of instructions) into a program



Computer reads the program and does
what it says step by step



Summary

Humans write algorithm
(instructions)



Humans turn algorithm
into computer program



Computer reads program
and does it



If program doesn't work
Humans debug it

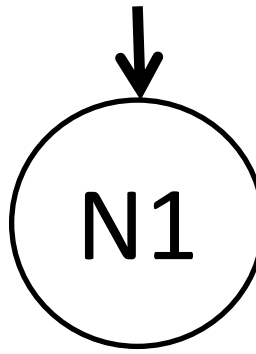


Shhh... We are going to train our computer to do maths sums for us



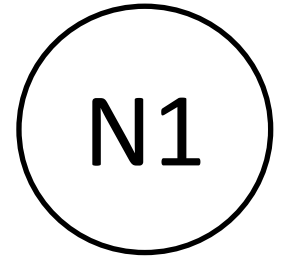
Rules

Numbers **must** be put
in pots (**variables**)

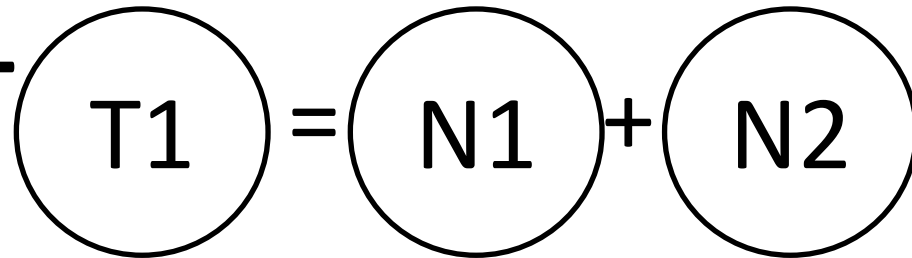


Only one maths
operation per line

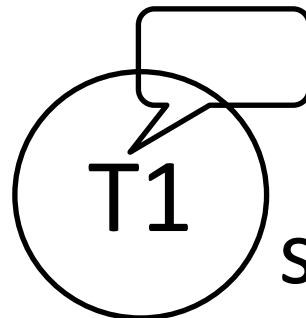
All pots **must** have different
names (num1, N2, T1 or total2)



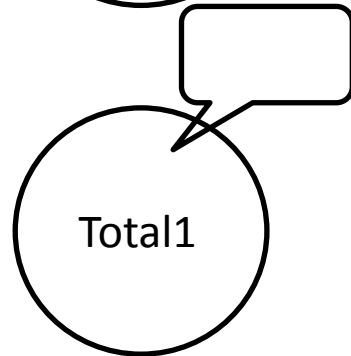
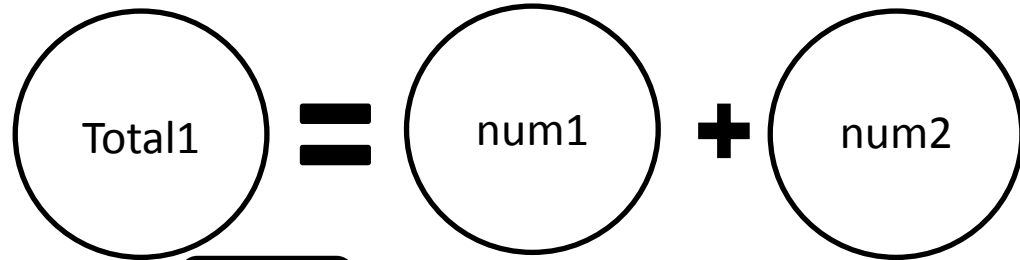
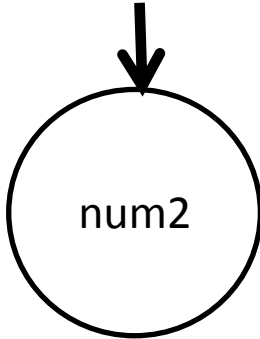
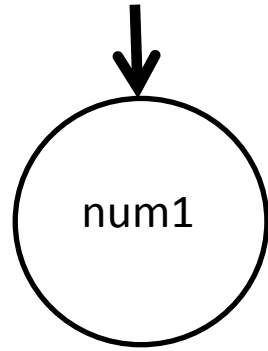
You can add + subtract -
Multiply * Divide / pots



You can look
in the pot to



see what is in it



Part 2

Humans write algorithm



Humans turn algorithm
into computer program



Computer reads program
and does it

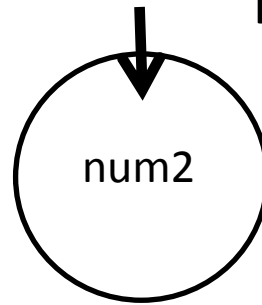


If program doesn't work
Humans debug it



when space key pressed

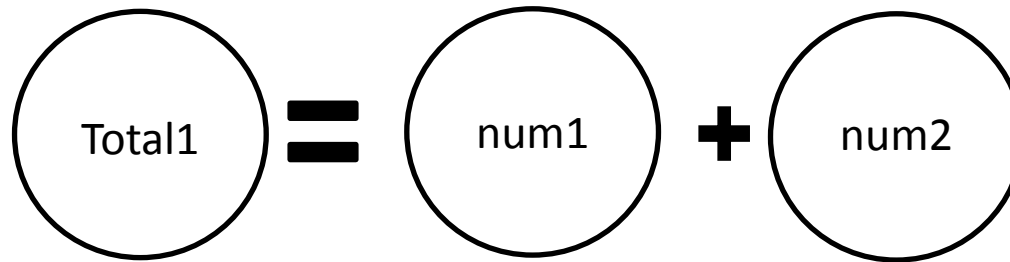
start



Put numbers into the pots



Maths using pots



See what is in the pot

