Should be able to use **t** for time and should it gets an error if he tries in different equations: to redefine it has as a state

Modeller: should be able to typ "it" in the $^{2/pp}$ Actor: Modeller
equation textbox that should be
recognized as time.

If the user has defined a parameter ... an error if he tries
to redefine it has as a state   M   2/pp

Actor: Modeller   M   2/pp

The user can add an algebraic eq.   M ← S
Actor: modeller   4/pp

Algebraic equations should work in R-emptime   6/pp   M

An algebraic equation can change
at any point in time but should
be solved differently from an ODE.   4/pp

$$\frac{dx}{dt} = -k_2 \cdot x \quad \text{①}$$

$$\frac{dy}{dt} = a$$

$$a = -k_2 \cdot x \quad \text{②}$$

these should evaluate
the same.
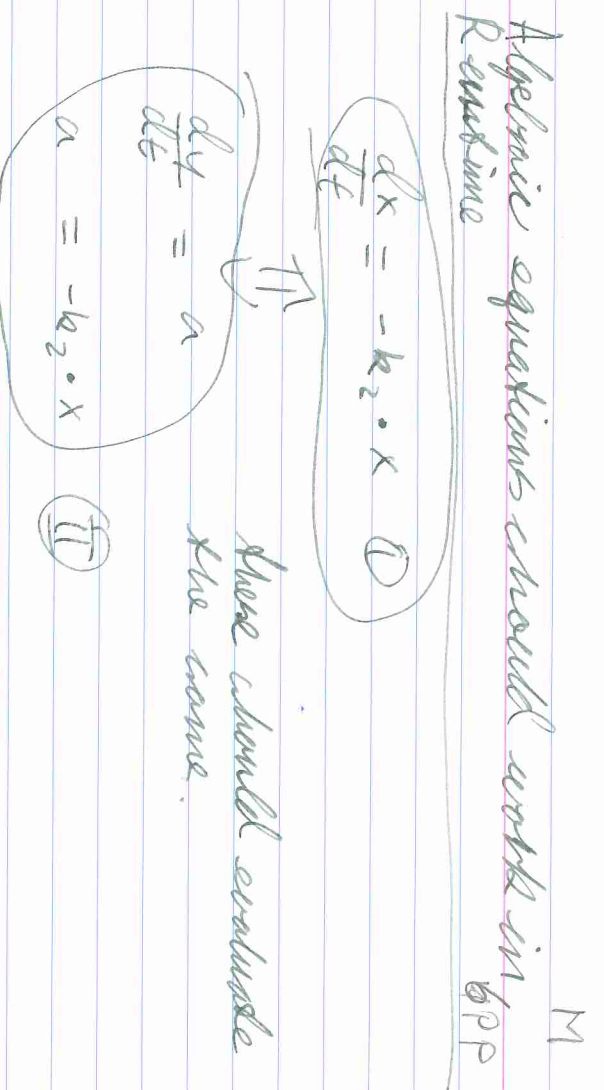
Save model default by modelname   M   1/pp
as modeller

the model has a name, so saving must be
modelname.model

Save model as modeller — Save data as CSV   M ← C   2/pp

Experimenter: should be able to save the
data as a csv file.

The user can plot a phase plane   S
Actor: Experimenter   4/pp

A phase plane plots one state
against an other state

Simulate results algebraic Eq   S 6/pp

As a Modeller I want to be able
to show results of algebraic equation
added to the model.