

# An Example

*BirthdayBook*

Gives the name of the schema \_\_\_\_\_

*known* :  $\mathbb{P} NAME$

Variable declarations go above the dividing line

*birthday* :  $NAME \rightarrow DATE$

*known* = dom *birthday*

Conditions go beneath the line

- One possible state of the system has three people in the set *known*, with their birthdays recorded by the function *birthday*:

*known* = { John; Mike; Susan }

*birthday* = { John      25-Mar,  
                 Mike      20-Dec,  
                 Susan     20-Dec  
                 }