



0

onChange: text187'setValue s8'value

0

text188'value is s9'value

Imagine - C:\Documents and Settings\Chris Roe\Desktop\Part2.IMP

File Edit View Options Page Help



Implementing a Dependent

Multiple sliders and turtles

- * Textbox values and headings of turtles dependent on a combination of two sliders
- * The top example shows a typical Imagine
- * The bottom example uses dependency:
 - there is no repetition of formulae so change is required the programmer won't update all occurrences
 - programmer does not have to search to find what effects the arrows



Change tiltarrow - based on turtle

Basics Shape Painting Position Events Variables Procedures

Position

Position: X: tilt'xcor Position: Y: tilt'ycor

Apos: X: 31 Apos: Y: 258

Set Heading... angleslider'value + attackslider'value

Home State

Position: X: 127 Position: Y: -103

Set Heading... 0 Set Current

Range

Wrap Rectangle

Window

Fence

Bounce

OK Cancel



Implementing a Dependency-based programming system

Change tslider - based on Slider

Basics | Appearance | Events | Variables | Procedures

Name:

Minimum: Maximum: Value:

Hint:

Events:

onChange:

onChanged:

OK Cancel



```

tarrow'setshape {image1/1}
pa8cont'xcor
tilt'xcor

```