



## **Computer Programming through Animation using *Alice* ©**

*Bloomsburg University's Exploring Emergence*

Monday, July 6, 2009 through Thursday, July 16, 2009

To start *Alice*: Go to *Start* → *Specialized Software* → *Alice* → *Alice 2.2*.

Story 4 (using conditionals and random numbers):

[Grass scene] Two *frogs* (Animal Gallery) are sitting beside a road (Roads and Signs Gallery) and decide to race across. Whichever crosses the road first will pronounce itself as the winner. If they both cross the road in the same number of hops, they pronounce that it is a tie. Every time they race, the outcome is different.