Walker — Problem Set 17

Section 39

In[30]:= `{x, x + 1, x + 2, x^2} /. x → RandomInteger[100]`

Out[30]=

`{21, 22, 23, 441}`

In[31]:= `{x, x + 1, x + 2, x^2} /. x :→ RandomInteger[100]`

Out[31]=

`{20, 43, 66, 8281}`

Section 40

In[32]:= `fa[n_] := n^2`

In[33]:= `poly[i_Integer] := Graphics[Style[RegularPolygon[i], Orange]]`

In[34]:= `fb[f_, s_] := {s, f}`

In[35]:= `fc[a_, b_] := (a * b) / (a + b)`

In[36]:= `fd[a_, b_] := {(a + b), (a - b), (a / b)}`

In[37]:= `evenodd[a_] := If[a == 0, Red, If[EvenQ[a], Black, White]]`

In[38]:= `fe[1, a_, b_] := a + b; fe[2, a_, b_] := a * b; fe[3, a_, b_] := a^b`

In[39]:= `ff[0] = ff[1] = 1; ff[n_Integer] := ff[n - 1] + ff[n - 2]`

In[40]:= `animal[a_String] := Interpreter["Animal"][a]["Image"]`

In[41]:= `nearwords[a_String, n_Integer] := Nearest[WordList[], a, n]`