```
In[1]:=  values = Table[
          xVal = N[Exp[547 + 100*k], 100];
          piApprox = N[LogIntegral[xVal], 100];
          piApproxOverE = N[LogIntegral[xVal/Exp[1]], 100];
          result = (piApprox)^2 - (E * xVal / Log[xVal]) * piApproxOverE;
          {k, "e^" <> ToString[547 + 100*k], N[result, 2]},
          {k, 0, 27}
         ];
        values
```

Out[2]= $\{\{0, \text{e}^{\wedge}547, -5.0 \times 10^{458}\}, \{1, \text{e}^{\wedge}647, -1.3 \times 10^{545}\},$
$\{2, \text{e}^{\wedge}747, -4.0 \times 10^{631}\}, \{3, \text{e}^{\wedge}847, -1.4 \times 10^{718}\}, \{4, \text{e}^{\wedge}947, -5.0 \times 10^{804}\},$
$\{5, \text{e}^{\wedge}1047, -2.0 \times 10^{891}\}, \{6, \text{e}^{\wedge}1147, -8.3 \times 10^{977}\}, \{7, \text{e}^{\wedge}1247, -3.6 \times 10^{1064}\},$
$\{8, \text{e}^{\wedge}1347, -1.7 \times 10^{1151}\}, \{9, \text{e}^{\wedge}1447, -7.8 \times 10^{1237}\}, \{10, \text{e}^{\wedge}1547, -3.8 \times 10^{1324}\},$
$\{11, \text{e}^{\wedge}1647, -1.9 \times 10^{1411}\}, \{12, \text{e}^{\wedge}1747, -9.4 \times 10^{1497}\},$
$\{13, \text{e}^{\wedge}1847, -4.9 \times 10^{1584}\}, \{14, \text{e}^{\wedge}1947, -2.6 \times 10^{1671}\}, \{15, \text{e}^{\wedge}2047, -1.4 \times 10^{1758}\},$
$\{16, \text{e}^{\wedge}2147, -7.5 \times 10^{1844}\}, \{17, \text{e}^{\wedge}2247, -4.1 \times 10^{1931}\}, \{18, \text{e}^{\wedge}2347, -2.3 \times 10^{2018}\},$
$\{19, \text{e}^{\wedge}2447, -1.3 \times 10^{2105}\}, \{20, \text{e}^{\wedge}2547, -7.3 \times 10^{2191}\}, \{21, \text{e}^{\wedge}2647, -4.2 \times 10^{2278}\},$
$\{22, \text{e}^{\wedge}2747, -2.4 \times 10^{2365}\}, \{23, \text{e}^{\wedge}2847, -1.4 \times 10^{2452}\}, \{24, \text{e}^{\wedge}2947, -8.3 \times 10^{2538}\},$
$\{25, \text{e}^{\wedge}3047, -4.9 \times 10^{2625}\}, \{26, \text{e}^{\wedge}3147, -2.9 \times 10^{2712}\}, \{27, \text{e}^{\wedge}3247, -1.7 \times 10^{2799}\}\}$