```
values = Table[
 xVal = N[Exp[43.5102146], 100];
 piApprox = N[LogIntegral[xVal], 100];
 piApproxOverE = N[LogIntegral[xVal / Exp[1]], 100];
 result = (piApprox)^2 - (E * xVal / Log[xVal]) * piApproxOverE;
 {"e^" <> ToString[43.5102147], N[result, 8]}];
values
```

Out[ ]=

$\{e^{\wedge}43.5102, -1.29848 \times 10^{28}\}$

```
In[ ]:= values = Table[
 xVal = N[Exp[49], 100];
 piApprox = N[LogIntegral[xVal], 100];
 piApproxOverE = N[LogIntegral[xVal / Exp[1]], 100];
 result = (piApprox)^2 - (E * xVal / Log[xVal]) * piApproxOverE;
 {"e^" <> ToString[49], N[result, 8]}];
values
```

Out[ ]=

$\{e^{\wedge}49, -3.5777143 \times 10^{32}\}$

```
In[ ]:= values = Table[
 xVal = N[Exp[59 + 100 * k], 100];
 piApprox = N[LogIntegral[xVal], 100];
 piApproxOverE = N[LogIntegral[xVal / Exp[1]], 100];
 result = (piApprox)^2 - (E * xVal / Log[xVal]) * piApproxOverE;
 {"e^" <> ToString[59 + 100 * k], N[result, 8]},
 {k, 0, 31}
];
values
```

Out[ ]=

$\{\{e^{\wedge}59, -5.3863026 \times 10^{40}\}, \{e^{\wedge}159, -8.6366147 \times 10^{124}\}, \{e^{\wedge}259, -3.2250049 \times 10^{210}\},$
$\{e^{\wedge}359, -3.2357043 \times 10^{296}\}, \{e^{\wedge}459, -5.3064365 \times 10^{382}\}, \{e^{\wedge}559, -1.1686993 \times 10^{469}\},$
$\{e^{\wedge}659, -3.1339236 \times 10^{555}\}, \{e^{\wedge}759, -9.6742945 \times 10^{641}\}, \{e^{\wedge}859, -3.3194561 \times 10^{728}\},$
$\{e^{\wedge}959, -1.2367077 \times 10^{815}\}, \{e^{\wedge}1059, -4.9214899 \times 10^{901}\}, \{e^{\wedge}1159, -2.0671392 \times 10^{988}\},$
$\{e^{\wedge}1259, -9.0822473 \times 10^{1074}\}, \{e^{\wedge}1359, -4.1454353 \times 10^{1161}\},$
$\{e^{\wedge}1459, -1.9549848 \times 10^{1248}\}, \{e^{\wedge}1559, -9.4847597 \times 10^{1334}\}, \{e^{\wedge}1659, -4.7172079 \times 10^{1421}\},$
$\{e^{\wedge}1759, -2.3980349 \times 10^{1508}\}, \{e^{\wedge}1859, -1.2430367 \times 10^{1595}\}, \{e^{\wedge}1959, -6.5566576 \times 10^{1681}\},$
$\{e^{\wedge}2059, -3.5131458 \times 10^{1768}\}, \{e^{\wedge}2159, -1.9093149 \times 10^{1855}\}, \{e^{\wedge}2259, -1.0511565 \times 10^{1942}\},$
$\{e^{\wedge}2359, -5.8557034 \times 10^{2028}\}, \{e^{\wedge}2459, -3.2975152 \times 10^{2115}\}, \{e^{\wedge}2559, -1.8754944 \times 10^{2202}\},$
$\{e^{\wedge}2659, -1.0765501 \times 10^{2289}\}, \{e^{\wedge}2759, -6.2322859 \times 10^{2375}\}, \{e^{\wedge}2859, -3.6365683 \times 10^{2462}\},$
$\{e^{\wedge}2959, -2.1376236 \times 10^{2549}\}, \{e^{\wedge}3059, -1.2651826 \times 10^{2636}\}, \{e^{\wedge}3159, -7.5364298 \times 10^{2722}\}\}$