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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;
  {"e^" <> ToString[547 + 100 * k], N[result, 8]},
  {k, 0, 27}
];
values

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Out[2]= { {e^547, -5.0283287 × 10458}, {e^647, -1.3215407 × 10545}, {e^747, -4.0198388 × 10631},
  {e^847, -1.3638260 × 10718}, {e^947, -5.0360748 × 10804}, {e^1047, -1.9897153 × 10891},
  {e^1147, -8.3076362 × 10977}, {e^1247, -3.6318520 × 101064}, {e^1347, -1.6506455 × 101151},
  {e^1447, -7.7558806 × 101237}, {e^1547, -3.7508004 × 101324},
  {e^1647, -1.8602058 × 101411}, {e^1747, -9.4329900 × 101497}, {e^1847, -4.8787962 × 101584},
  {e^1947, -2.5682958 × 101671}, {e^2047, -1.3736529 × 101758}, {e^2147, -7.4533134 × 101844},
  {e^2247, -4.0972567 × 101931}, {e^2347, -2.2793647 × 102018}, {e^2447, -1.2819727 × 102105},
  {e^2547, -7.2829524 × 102191}, {e^2647, -4.1760285 × 102278}, {e^2747, -2.4151700 × 102365},
  {e^2847, -1.4079697 × 102452}, {e^2947, -8.2691531 × 102538}, {e^3047, -4.8903016 × 102625},
  {e^3147, -2.9108696 × 102712}, {e^3247, -1.7431960 × 102799} }

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