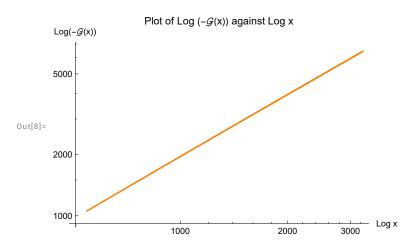
```
In[i]:= PrimePiApprox[x_] := If[x < 2, 0, N[LogIntegral[x], 100]]

G[x_] := Module[{e = Exp[1], logx, piX, piXDivE}, logx = Log[x];
    piX = PrimePiApprox[x];
    piXDivE = PrimePiApprox[x / e];
    piX^2 - (e * x / logx) * piXDivE]

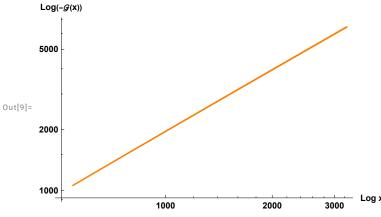
xMin = Exp[547];
    xMax = Exp[3247];
    xValues = Exp[Range[Log[xMin], Log[xMax], 1]];

gValues = G /@ xValues;
    logNegGValues = Log[Abs[-gValues]];

ListLogLogPlot[Transpose[{Log[xValues], logNegGValues}], PlotStyle → Orange,
    AxesLabel → {"Log x", "Log(-g(x))"}, PlotLabel → "Plot of Log (-g(x)) against Log x",
    GridLines → None, AspectRatio → 1/GoldenRatio]</pre>
```



ln[9]:= Show[%8, PlotLabel \rightarrow None, LabelStyle \rightarrow {GrayLevel[0], Bold}]



In[11]:= Show[%9, AxesStyle \rightarrow Thick]

Out[11]=

