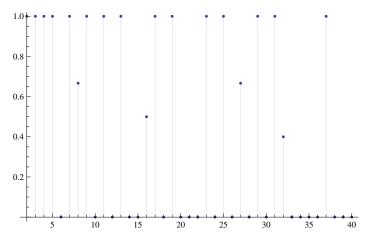
Mod[(N[Log[6] / MangoldtLambda[6]]), 2]

Power::infy: Infinite expression $\frac{1}{0}$ encountered. \gg

 $Infinity:: indet: Indeterminate\ expression\ ComplexInfinity-ComplexInfinity\ encountered. \gg$

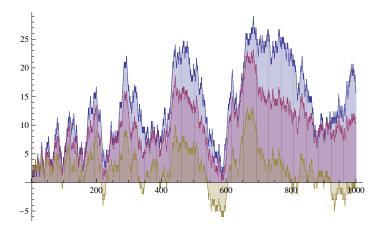
Indeterminate

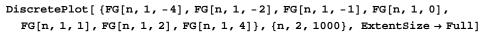
DiscretePlot[FF[n, 2], {n, 2, 40}]

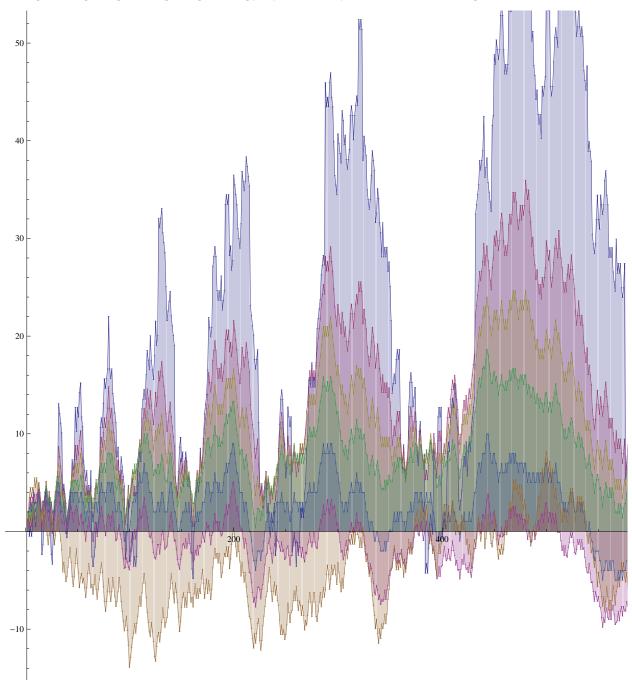


 $FG[n_{-}, k_{-}, s_{-}] := FG[n, k, s] = Sum[FF[j, s] (1/(k!) - FG[Floor[n/j], k+1, s]), \{j, 2, n\}]$

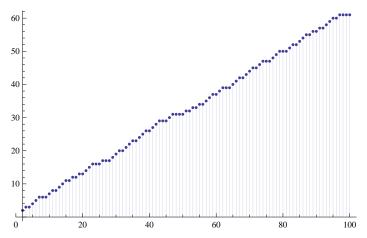
 $\label{eq:discretePlot} \texttt{DiscretePlot}[~\{\texttt{FG}[\texttt{n},~1,~-1]~,~\texttt{FG}[\texttt{n},~1,~0]~,~\texttt{FG}[\texttt{n},~1,~1]\}~,~\{\texttt{n},~2,~1000\}~,~\texttt{ExtentSize} \rightarrow \texttt{Full}]$



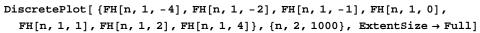


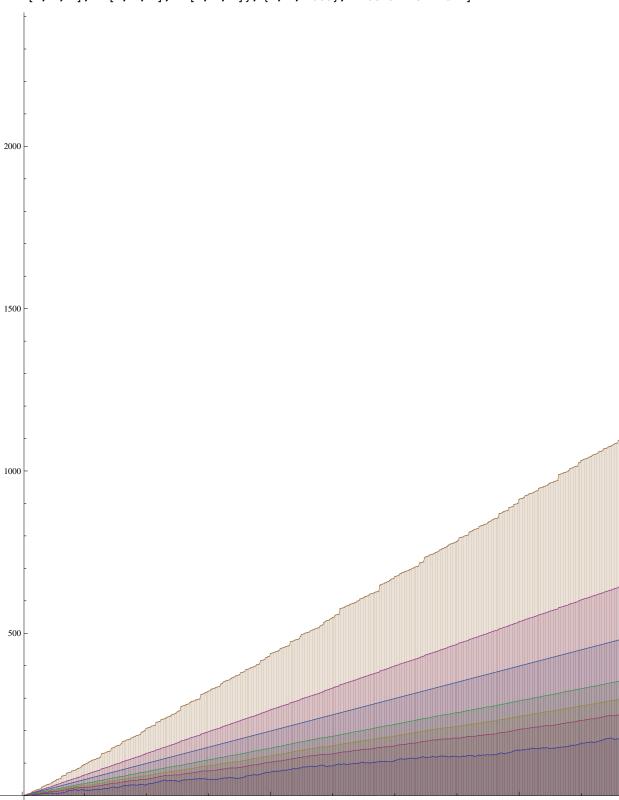


$\label{eq:decomposition} DiscretePlot[\,Sum[\,MoebiusMu[\,j]\,^2,\,\{j,\,1,\,n\}\,]\,,\,\{n,\,2,\,100\}\,]$



 $\mathtt{FH}[\texttt{n}_, \texttt{k}_, \texttt{s}_] := \mathtt{FH}[\texttt{n}, \texttt{k}, \texttt{s}] = \mathtt{Sum}[\texttt{FF}[\texttt{j}, \texttt{s}] \; (\; 1 \; / \; (\texttt{k}\,!\;) \; + \\ \mathtt{FH}[\texttt{Floor}[\texttt{n} \; / \; \texttt{j}] \; , \; \texttt{k} \; + \; 1, \; \texttt{s}]) \; , \; \; \{\texttt{j}, \; 2, \; \texttt{n}\}]$





$\label{eq:discretePlot} \texttt{DiscretePlot[} \; \{\texttt{FH[n, 1, 40]}\}, \; \{\texttt{n, 2, 1000}\}, \; \; \texttt{ExtentSize} \rightarrow \texttt{Full]}$

