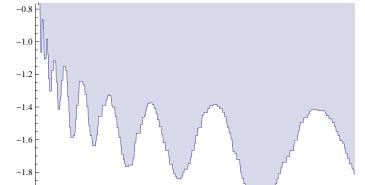
```
DD[n_{k}] := Sum[DD[n/j, k-1], {j, 1, n}]
DD[n_{-}, 0] := 1
DD[100, 4]
3575
PP[n_, k_, a_] :=
Sum[aN[MangoldtLambda[j]/Log[j]](1/(k!) + PP[n/j, k+1, a]), {j, 2, n}]
PP[100, 1, 4]
P2[n_, a_] := PP[n, 1, a]
P2[100,3]
DD[100, 3]
P2[100, I]
P3[n_{k_{1}}, k_{1}] := P2[n, k]/k
DiscretePlot[Re[P3[j, I] + P3[j, -I]], {j, 2, 100}]
QQ[n_{,k_{,a}]} := QQ[n,k,a] = Sum[j^a(1/k - QQ[Floor[n/j],k+1,a]), \{j,2,n\}]
Q3[n_{k_{-}}, k_{-}, j_{-}] := (Q2[n, k+jI]+Q2[n, k-jI])/2
QQ[100, .5, 1]
4438.86
DiscretePlot[Q3[n, .5, 14.134725141734695`], {n, 2, 1000}]
```



N[ZetaZero[1]]

-2.0

0.5 + 14.1347 i