```
D2[n_{,k_{|}} := D2[n,k] = Sum[D2[Floor[n/j],k-1],{j,2,n}];D2[n_{,0}] := 1
Wlc[n_{z}] := Expand[FullSimplify[(W[n, z+1]-1)/(z+1)]]
N[W[100, 1]]
303.601
D[W[100, z], z]
99 + 283 z + 162 z^2 + \frac{92 z^3}{3} + \frac{17 z^4}{8} + \frac{7 z^5}{120}
(-1/List@@NRoots[W[100,x] == 0,x][[All,2]])
\{0.0419569-0.0288556\,\dot{\mathtt{i}}\,,\,0.0419569+0.0288556\,\dot{\mathtt{i}}\,,\,0.153113\,,\,0.266745\,,\,0.941024\,,\,97.5552\}
(List@@NRoots[Wlc[100, x] == 0, x][[All, 2]])
\{-17.1806 - 11.1282\,\dot{\text{i}}, -17.1806 + 11.1282\,\dot{\text{i}}, -7.53589, -4.73565, -2.08145\}
vv := {-16.180664022748342`-11.128144038617982`i,
  -16.180664022748342` +11.128144038617982` i, -6.5311297858146515`,
  -3.7489048140480477<sup>,</sup> -1.0626724626158177<sup>,</sup> -0.010250606310515099<sup>)</sup>
Sum[-1/j, {j, vv}]
99. + 0. i
vv2 := {-17.18064807919592`-11.128192517858471`i,
  -17.18064807919592`+11.128192517858471`i,
  -7.535894740890104<sup>-</sup>, -4.735647625732084<sup>-</sup>, -2.081447189271695<sup>-</sup>}
Product[1-1/j, {j, vv2}]
2.20238 + 0. i
```

## $\label{eq:rootLocusPlot[1/Expand[W[100, x]], {k, 0, 1}, FeedbackType} \rightarrow \texttt{None}]$

