

```

dd[n_, k_, x_] := Sum[ dd[n / (j + x), k - 1, x], {j, 0, Floor[n - x]}]; dd[n_, 0, x_] := 1
dl[n_, x_] := Sum[ (-1) ^ (k - 1) / k (x^k - k dd[n x^k, k, x + 1]), {k, 1, Infinity}]
dl[100, 2]

```

\$RecursionLimit::reclim : Recursion depth of 256 exceeded. >>

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General::stop : Further output of \$RecursionLimit::reclim will be suppressed during this calculation. >>

\$IterationLimit::itlim : Iteration limit of 4096 exceeded. >>

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