

```

dd[x_, k_, a_] := dd[x, k, a] = Sum[dd[x / (j + a), k - 1, a], {j, 0, x - a}]
dd[x_, 0, a_] := 1
cc[x_, k_, a_] := a^(-k) dd[x a^k, k, a + 1]
dd[100, 2, 2]

```

283

```
cc[100, 2, 1.1]
```

281.818

```
Plot[cc[100, 2, n], {n, 1, 1.1}]
```

