

```

dd[f_, c_, r_, k_] := Sum[f[c + r Cos[2 Pi j] + r I Sin[2 Pi j]] / k, {j, 1 / k, 1, 1 / k}]
xx[x_] := x
N[dd[xx, 5, 3, 100]]
5. + 6.93889 × 10-18 i

```