```
 \label{eq:defn_k_n_j_def}  \  \, \text{Dd}[fn_{-},\,k_{-},\,n_{-},\,s_{-}] := \\  \  \, \text{Sum}[\,(fn[m]\,\,^{\wedge}\,(k\,-\,j)\,)\,\, \\  \  \, \text{Binomial}[\,k,\,j]\,\, \\  \  \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,+\,1]\,\,, \\  \  \, \text{Binomial}[\,k,\,j]\,\, \\  \  \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,+\,1]\,\,, \\  \  \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,+\,1]\,\,, \\ \  \  \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,+\,2]\,\,, \\ \  \  \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,\,+\,2]\,\,, \\ \ \, \text{Dd}[\,fn_{+},\,j,\,n\,\,/\,\,(m\,\,^{\wedge}\,(k\,-\,j)\,)\,,\,m\,\,+\,2]\,\,, \\ \ \, \text{Dd}[\,fn_{+}
          {m, s, n^{(1/k)}, {j, 0, k-1}}
Dd[fn_, 0, n_, s_] := 1
dd[fn_{-}, k_{-}, n_{-}] := Dd[fn, k, n, 2] - Dd[fn, k, n-1, 2]
fulld[fn_, k_, n_] :=
     Sum[fn[j] \ Dd[fn, \ k-1, \ n \ / \ j, \ 2] \ , \ \{j, \ Floor[n^{\, \prime} \ (1 \ / \ 3) \ ] \ + \ 1, \ n^{\, \prime} \ (1 \ / \ 2) \}] \ + \ (1 \ / \ 2) \}] \ + \ (1 \ / \ 2) \}] \ + \ (1 \ / \ 2) \}
         Sum[Sum[fn[m], {m, Floor[n/(j+1)] + 1, n/j}] Dd[fn, k-1, j, 2],
               {j, 1, n / Floor[n^(1/2)]-1}] +
          Sum[dd[fn, k-1, j] Sum[fn[m], {m, 2, n/j}], {j, 2, n^(1/3)}] +
          Sum[fn[s] dd[fn, m, j] Dd[fn, k-m-1, n/(js), 2], {j, 2, n^(1/3)},
               \{s, Floor[Floor[n^{(1/3)}] / j] + 1, Floor[n/j]^{(1/2)}, \{m, 1, k-2\}] + \}
         Sum[(Sum[fn[m], {m, Floor[n/(j(s+1))]+1, n/(js)}])
                    (Sum[dd[fn, m, j] Dd[fn, k-m-1, s, 2], \{m, 1, k-2\}]),
               {j, 2, n^{(1/3)}, {s, 1, Floor[n/j]/Floor[Floor[n/j]^{(1/2)]-1}}
fulld[fn_, 1, n_] := Sum[fn[j], {j, 2, n}]
id[n_] := n^2
SumPrimesFullReduced[id, 100]
 1404271
              20
Sum[FullSimplify[MangoldtLambda[j]/Log[j]]j^2, {j, 2, 100}]
 1 404 271
              20
```