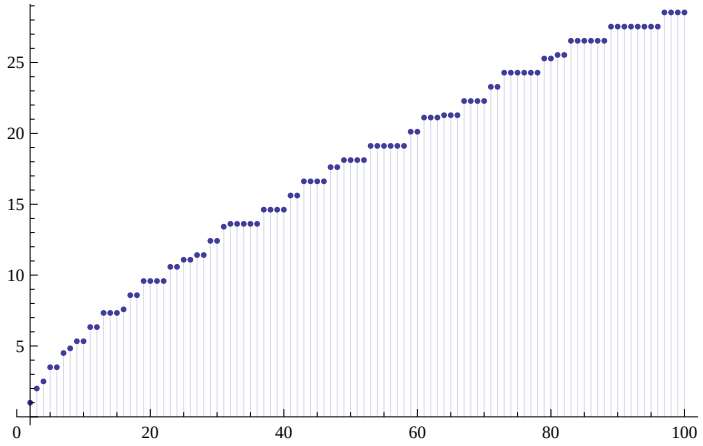
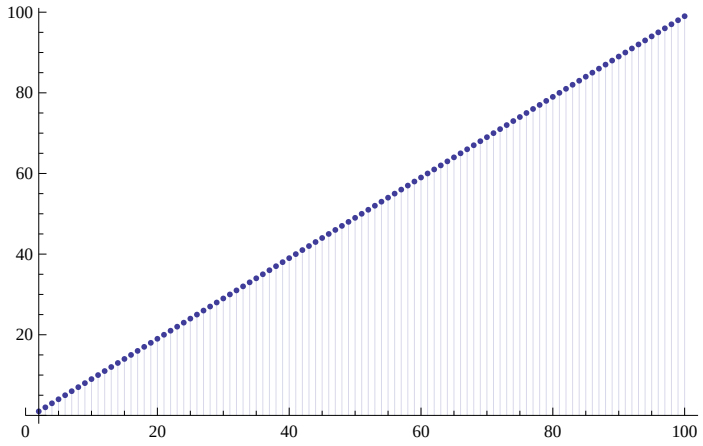
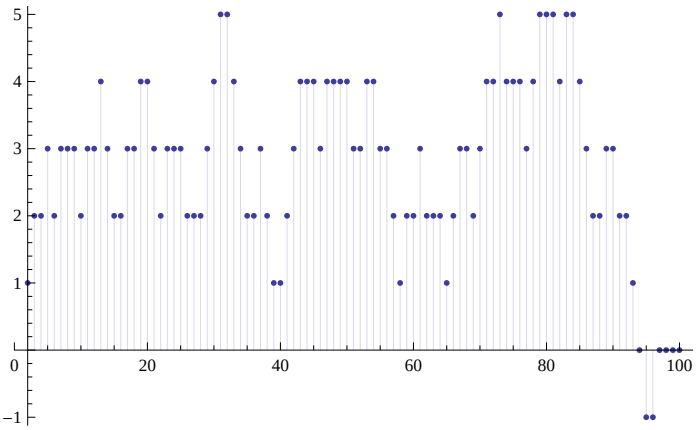
```
P[n_, k_, j_] := 1 / k - P[n / j, k + 1, Floor[n / j]] + P[n, k, j - 1]
P[n_, k_, 1] := 0
DiscretePlot[P[n, 1, n], {n, 2, 100}]
```



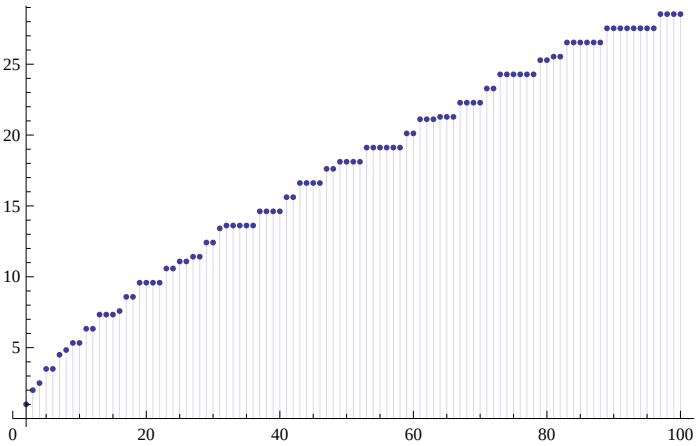

```
Q[n_, k_, j_] :=
 (MangoldtLambda[j] / Log[j]) (1 / (k!) + Q[n / j, k + 1, Floor[n / j]]) + Q[n, k, j - 1]
Q[n_, k_, 1] := 0
DiscretePlot[Q[n, 1, n], {n, 2, 100}]
```



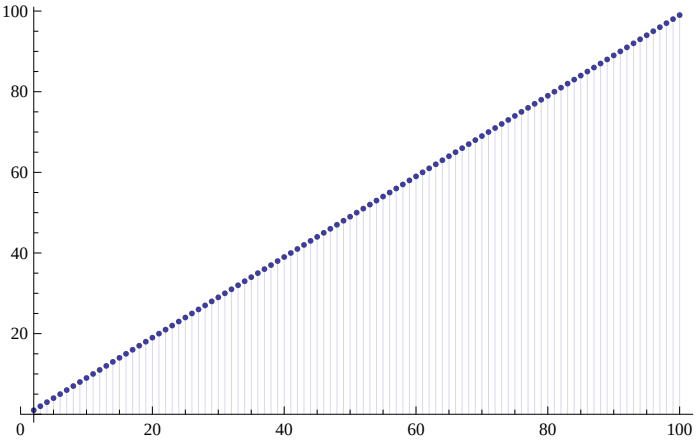
```
f2[n_, k_, j_] :=
 (MangoldtLambda[j] / Log[j]) (1 / (k!) - f2[n / j, k + 1, Floor[n / j]]) + f2[n, k, j - 1]
f2[n_, k_, 1] := 0
DiscretePlot[f2[n, 1, n], {n, 2, 100}]
```



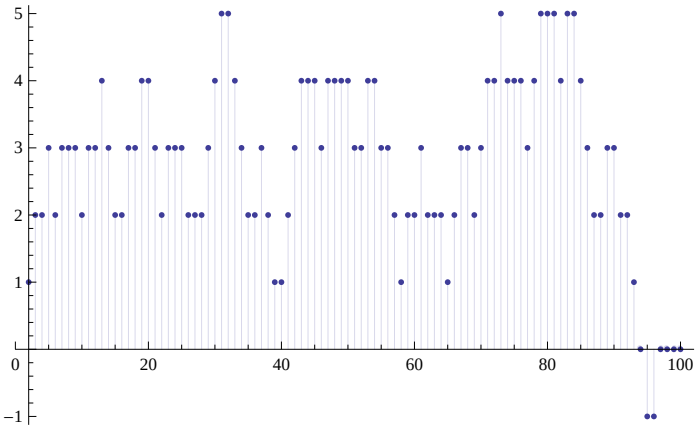

```
f3[n_, k_, j_] := MoebiusMu[j] (-1 / k - f3[n / j, k + 1, Floor[n / j]]) + f3[n, k, j - 1]
f3[n_, k_, 1] := 0
DiscretePlot[f3[n, 1, n], {n, 2, 100}]
```



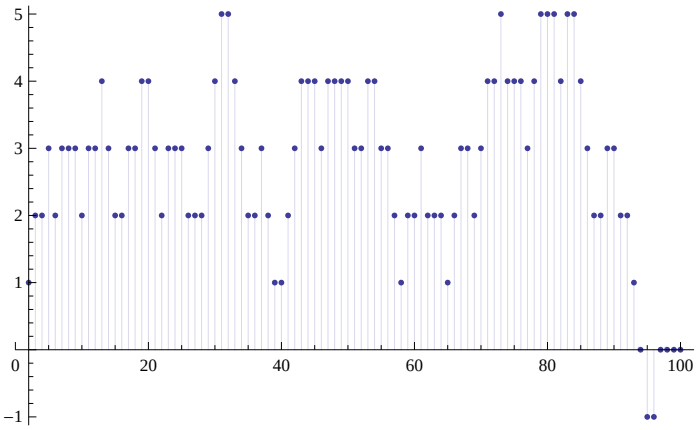

```
f4[n_, j_] := MoebiusMu[j] (-1 - f4[n / j, Floor[n / j]]) + f4[n, j - 1]
f4[n_, 1] := 0
DiscretePlot[f4[n, n], {n, 2, 100}]
```



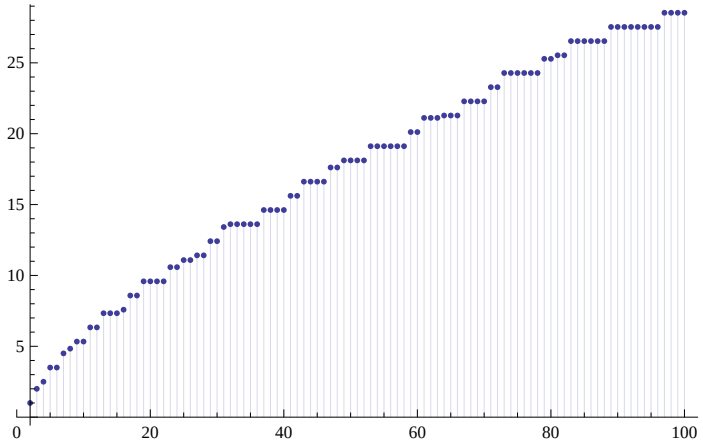
```
f5[n_, j_] := 1 - f5[n / j, Floor[n / j]] + f5[n, j - 1]
f5[n_, 1] := 0
DiscretePlot[f5[n, n], {n, 2, 100}]
```




```
MM[n_] := Sum[ MoebiusMu[j], {j, 1, n}]
DiscretePlot[ 1 - MM[n], {n, 2, 100}]
```



```
f6[n_, k_, j_] := BernoulliB[k] / (k!) +
  (MangoldtLambda[j] / Log[j]) f6[n / j, k + 1, Floor[n / j]] + f6[n, k, j - 1]
f6[n_, k_, 1] := 0
DiscretePlot[f6[n, 0, n], {n, 2, 100}]
```

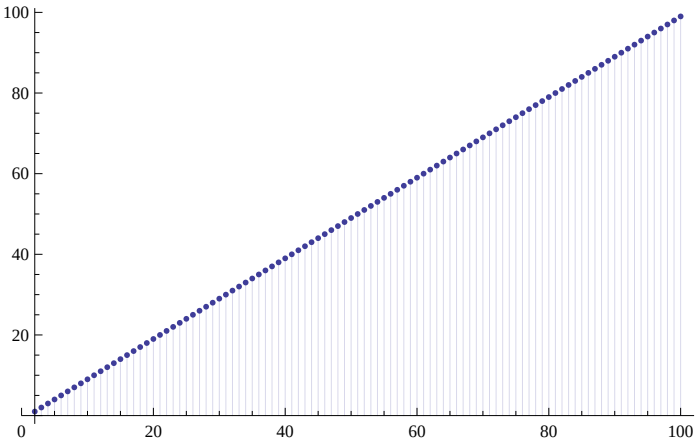



```
V := { -1, 0.5, 0.08333333333333331, 0.041666666666666685, 0.0263888888888889,
  0.01874999999999998, 0.014269179894179898, 0.01136739417989419, 0.009356536596119918,
  0.007892554012345693, 0.006785849984634702, 0.00592405641233766,
  0.00523669325795029, 0.004677498407042256, 0.004214952239005476,
  0.003826895532118833, 0.0034973498453499227, 0.003214496431323566,
  0.002969477154582075, 0.002755302994367197, 0.002567022545007231 6,
  0.002400162378590726 4, 0.002251470197758864 6, 0.002118249527295441 7,
  0.001998301255043455 6, 0.001889815463678700 2, 0.001791290078071888 9,
  0.001701468926370076 2, 0.001619294049096366 6, 0.001543868596928344 5 }
```

```
Part[V, 1]
```

```
-1
```

```
f7[n_, k_, j_] := -Part[V, k] Simplify[MangoldtLambda[j] / Log[j]] -
  f7[n / j, k + 1, Floor[n / j]] + f7[n, k, j - 1]
f7[n_, k_, 1] := 0
DiscretePlot[f7[n, 1, n], {n, 2, 100}]
```




```
f7[n, 1, n] - f7[n - 1, 1, n - 1]
```

```
$Aborted
```