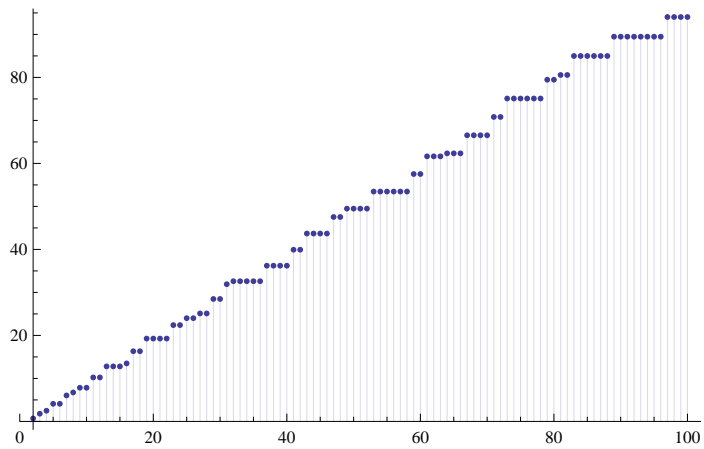


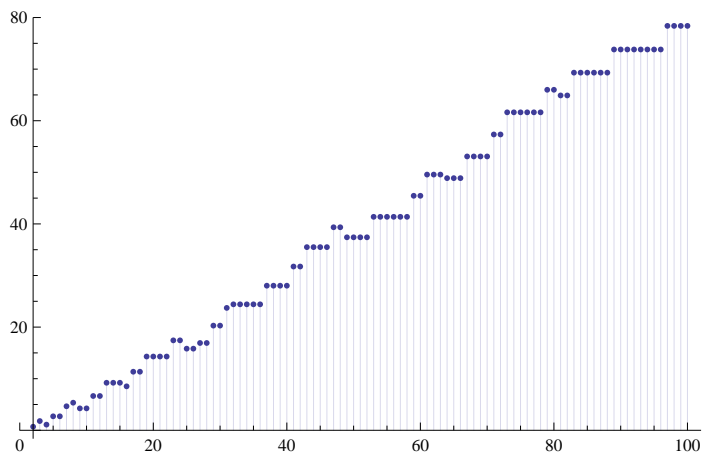
```
FF[n_] := Sum[ MoebiusMu[j] (Log[j] - FF[n / j]), {j, 2, n}]
```

```
DiscretePlot[-FF[n], {n, 2, 100}]
```



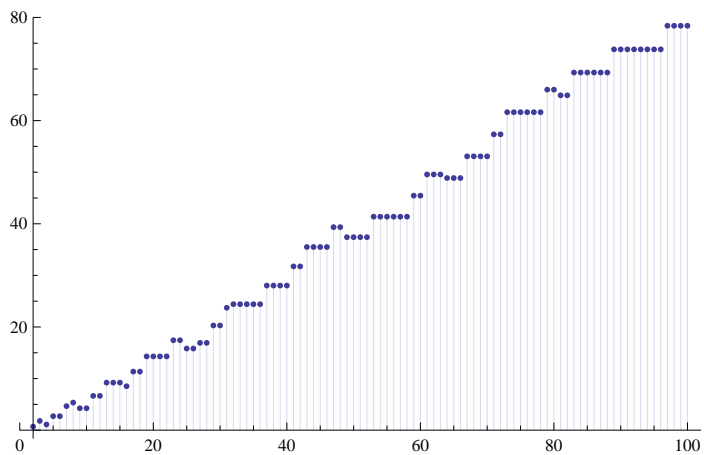
```
FG[n_] := Sum[ MoebiusMu[j]^2 (Log[j] - FG[n / j]), {j, 2, n}]
```

```
DiscretePlot[FG[n], {n, 2, 100}]
```



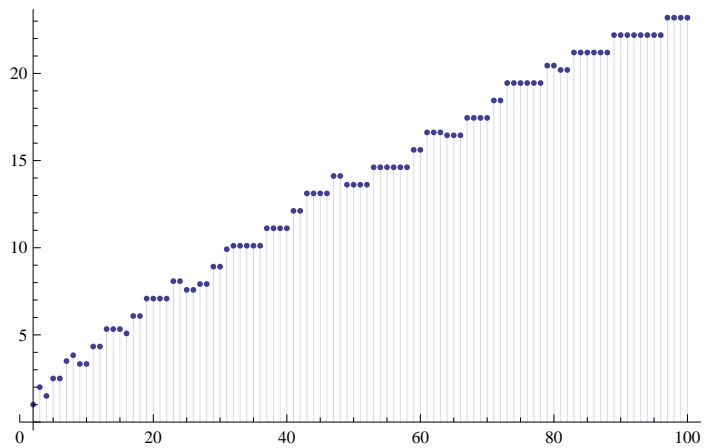
```
FH[n_] := Sum[ LiouvilleLambda[j] (Log[j] - FH[n / j]), {j, 2, n}]
```

```
DiscretePlot[-FH[n], {n, 2, 100}]
```



```
FI[n_, k_] := Sum[ MoebiusMu[j]^2 (1 / k - FI[n / j, k + 1]), {j, 2, n}]
```

```
DiscretePlot[FI[n, 1], {n, 2, 100}]
```



```
RR[n_, k_] :=
```

```
  RR[n, k] = Product[k / (FactorInteger[n][[j]][[2]]!), {j, 1, Length[FactorInteger[n]]}]
```

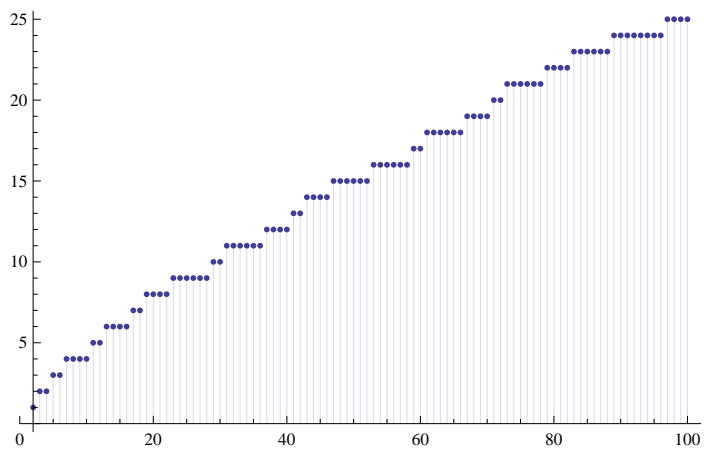
```
RR[1, k_] := 1
```

```
RR[12, 1]
```

$$\frac{1}{2}$$

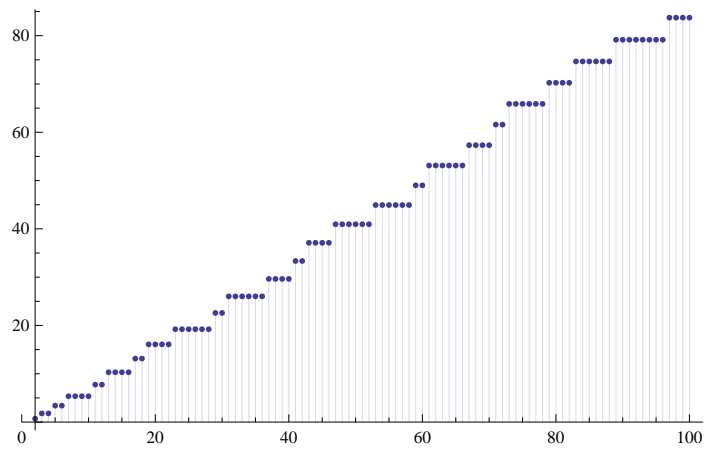
```
FJ[n_, k_] := Sum[RR[j, 1] (1/k - FJ[n/j, k+1]), {j, 2, n}]
```

```
DiscretePlot[FJ[n, 1], {n, 2, 100}]
```

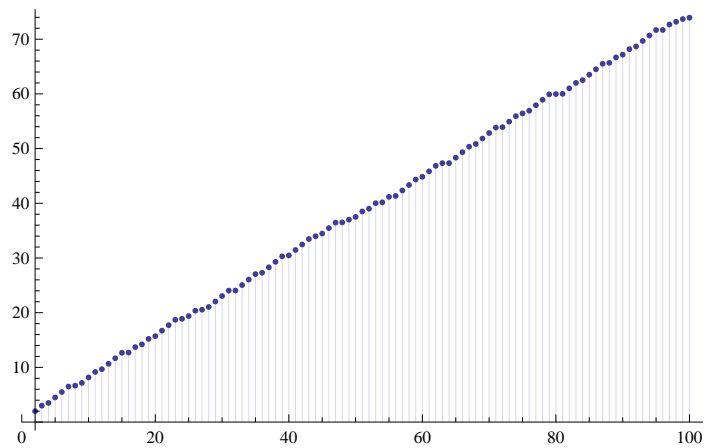


```
FK[n_] := Sum[RR[j, 1] (Log[j] - FK[n/j]), {j, 2, n}]
```

```
DiscretePlot[FK[n], {n, 2, 100}]
```

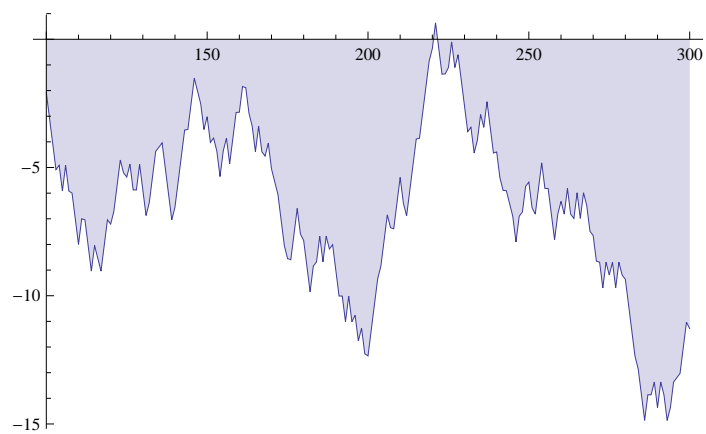


```
DiscretePlot[Sum[RR[j, 1], {j, 1, n}], {n, 2, 100}]
```



```
FL[n_] := 1 - Sum[RR[j, 1] FL[n / j], {j, 2, n}]
```

```
DiscretePlot[FL[n], {n, 100, 300}]
```



Table[FL[n] - FL[n - 1], {n, 2, 30}]

$$\left\{ -1, -1, \frac{1}{2}, -1, 1, -1, -\frac{1}{6}, \frac{1}{2}, 1, -1, -\frac{1}{2}, -1, 1, \right. \\ \left. 1, \frac{1}{24}, -1, -\frac{1}{2}, -1, -\frac{1}{2}, 1, 1, -1, \frac{1}{6}, \frac{1}{2}, 1, -\frac{1}{6}, -\frac{1}{2}, -1, -1 \right\}$$