```
ClearAll["Global`*"]
```

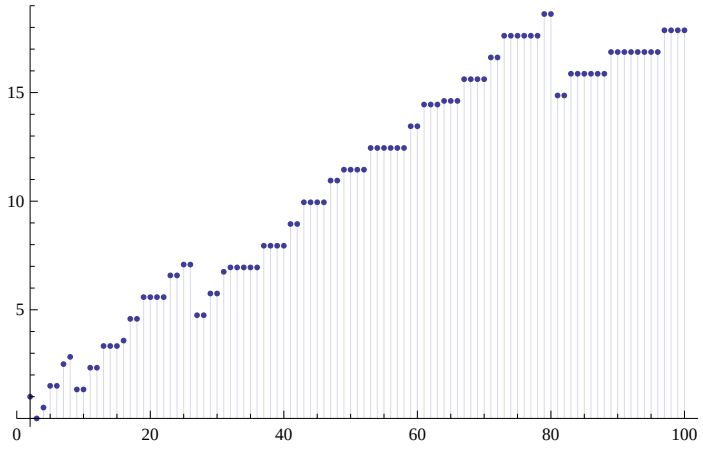
```
vv := 3
t[n_, a_] := (-1)^(Floor[n / a] - Floor[(n - 1) / a])

et[n_, k_] := et[n, k] = Sum[et[j, k - 1] et[n / j, 1], {j, Divisors[n]}];
et[n_, 1] := t[n, vv]; et[n_, 0] := 0; et[1, 0] := 1
et2[n_, k_] := et2[n, k] = Sum[(-1)^j Binomial[k, j] et[n, k - j], {j, 0, k}]
ET2[n_, k_] := ET2[n, k] = Sum[ et2[j, k], {j, 2, n}]
LAdd[n_] := Sum[ 2^k / k, {k, 1, Log[vv, n]}]
lin[n_] := Sum[(-1)^(k + 1) / k et2[n, k], {k, 1, Log[2, n]}]
Lin[n_] := Sum[(-1)^(k + 1) / k ET2[n, k], {k, 1, Log[2, n]}] + LAdd[n]
Lin2[n_] := Sum[(-1)^(k + 1) / k ET2[n, k], {k, 1, Log[2, n]}]
```

```
Lin[100]
```

$$\frac{428}{15}$$

```
DiscretePlot[ Lin2[n], {n, 2, 100}]
```



```
Table[{n, lin[n]}, {n, 2, 40}] // TableForm
```

2	1
3	1
4	$-\frac{3}{2}$
5	1
6	0
7	−1
8	$\frac{7}{3}$
9	$\frac{1}{2}$
10	0
11	−1
12	2
13	1
14	0
15	0
16	$-\frac{7}{4}$
17	1
18	−2
19	1
20	2
21	0
22	2
23	1
24	−2
25	$-\frac{3}{2}$
26	0
27	$\frac{1}{3}$
28	−2
29	1
30	0
31	1
32	$\frac{11}{5}$
33	2
34	0
35	0
36	2
37	1
38	0
39	−2
40	−2