```
E2[n_, 0] := 1
E2[ n_, k_] := Sum[(-1)^(j + 1) E2[ Floor[n / j], k - 1], {j, 2, n}]
e2[n_, k_] := E2[n, k] - E2[n - 1, k]


Table[{n, e2[n, 1], e2[n, 2], e2[n, 3]}, {n, 1, 100}] // TableForm
```

1	0	0	0
2	−1	0	0
3	1	0	0
4	−1	1	0
5	1	0	0
6	−1	−2	0
7	1	0	0
8	−1	2	−1
9	1	1	0
10	−1	−2	0
11	1	0	0
12	−1	0	3
13	1	0	0
14	−1	−2	0
15	1	2	0
16	−1	3	−3
17	1	0	0
18	−1	−4	−3
19	1	0	0
20	−1	0	3
21	1	2	0
22	−1	−2	0
23	1	0	0
24	−1	2	3
25	1	1	0
26	−1	−2	0
27	1	2	1
28	−1	0	3
29	1	0	0
30	−1	−6	−6
31	1	0	0
32	−1	4	−6
33	1	2	0
34	−1	−2	0
35	1	2	0
36	−1	−1	6
37	1	0	0
38	−1	−2	0
39	1	2	0
40	−1	2	3
41	1	0	0
42	−1	−6	−6
43	1	0	0
44	−1	0	3
45	1	4	3
46	−1	−2	0
47	1	0	0
48	−1	4	0
49	1	1	0

50	−1	−4	−3
51	1	2	0
52	−1	0	3
53	1	0	0
54	−1	−6	−9
55	1	2	0
56	−1	2	3
57	1	2	0
58	−1	−2	0
59	1	0	0
60	−1	−2	9
61	1	0	0
62	−1	−2	0
63	1	4	3
64	−1	5	−10
65	1	2	0
66	−1	−6	−6
67	1	0	0
68	−1	0	3
69	1	2	0
70	−1	−6	−6
71	1	0	0
72	−1	2	9
73	1	0	0
74	−1	−2	0
75	1	4	3
76	−1	0	3
77	1	2	0
78	−1	−6	−6
79	1	0	0
80	−1	4	0
81	1	3	3
82	−1	−2	0
83	1	0	0
84	−1	−2	9
85	1	2	0
86	−1	−2	0
87	1	2	0
88	−1	2	3
89	1	0	0
90	−1	−10	−21
91	1	2	0
92	−1	0	3
93	1	2	0
94	−1	−2	0
95	1	2	0
96	−1	6	−6
97	1	0	0
98	−1	−4	−3
99	1	4	3
100	−1	−1	6