```
vv := {0, 1, 1, 1, 1, 6}
vv2 := {0, 1, 1, 1, 1, 2}
FF[n_] := (vv[[Mod[n, 6] + 1]] + 6 vv2[[Mod[n, 6] + 1]] Floor[n / 6]) +
  6 (Floor[n / 6] (Floor[n / 6] + 1) / 2) + 6 (Floor[n / 6] (Floor[n / 6] - 1) / 2)
```

$$\texttt{FF[n\_] := (vv[[Mod[n, 6] + 1]] + 6 vv2[[Mod[n, 6] + 1]] Floor[n / 6]) + (2 \times 6) / 2 Floor}\left[\frac{n}{6}\right]^2$$

```
FH[n_] := Sum[ If[Mod[j, 2] == 0 || Mod[j, 3] == 0, 0, j], {j, 1, n}]
Table[ {n, a = FH[n], b = FF[n], (a - b)}, {n, 1, 42}] // TableForm
```

1	1	1	0
2	1	1	0
3	1	1	0
4	1	1	0
5	6	6	0
6	6	6	0
7	13	13	0
8	13	13	0
9	13	13	0
10	13	13	0
11	24	24	0
12	24	24	0
13	37	37	0
14	37	37	0
15	37	37	0
16	37	37	0
17	54	54	0
18	54	54	0
19	73	73	0
20	73	73	0
21	73	73	0
22	73	73	0
23	96	96	0
24	96	96	0
25	121	121	0
26	121	121	0
27	121	121	0
28	121	121	0
29	150	150	0
30	150	150	0
31	181	181	0
32	181	181	0
33	181	181	0
34	181	181	0
35	216	216	0
36	216	216	0
37	253	253	0
38	253	253	0
39	253	253	0
40	253	253	0
41	294	294	0
42	294	294	0

```
Simplify[Expand[6 (Floor[n / 6] (Floor[n / 6] + 1) / 2) + 6 (Floor[n / 6] (Floor[n / 6] - 1) / 2)]]
```

$$6\,\text{Floor}\left[\frac{n}{6}\right]^2$$

```
FF[10 000]
```

16 663 333

```
FH[10 000]
```

16 663 333