```
vv := \{0, 1, 1, 1, 1, 1, 1, 8, 8, 8, 8, 19, 19, 32,
      32, 32, 32, 49, 49, 68, 68, 68, 68, 91, 91, 91, 91, 91, 91, 120}
vv2 := \{0, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 3, 3, 4, 4, 4, 4, 5, 5, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 8\}
wheelSize := wheelSize = 30
wheelEnd := wheelEnd = vv2[[Length[vv2]]]
FF[n_] :=
    (vv[[Mod[n, wheelSize] + 1]] + wheelSize vv2[[Mod[n, wheelSize] + 1]] \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]] \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]] \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]] \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]] \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]]) + (vv[[Mod[n, wheelSize] + 1]) \\ Floor[n / wheelSize]) + (vv[[Mod[n, wheelSize] + 1]) + (vv[[M
       (wheelEnd wheelSize ) / 2 Floor \left[\frac{n}{\text{wheelSize}}\right]^2
 FH[n\_] := Sum[If[Mod[j, 2] := 0 \mid | Mod[j, 3] := 0 \mid | Mod[j, 5] := 0, 0, j], \{j, 1, n\}] 
Table[\{n, a = FH[n], b = FF[n], (a - b)\}, \{n, 1, 100\}] // TableForm
                                                                   0
1
                    1
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2
                    1
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3
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4
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5
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6
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7
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9
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10
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11
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12
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13
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14
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15
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16
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17
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29
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31
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41
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42
                    229
                                            229
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43
                    272
                                            272
                                                                  0
44
                    272
                                            272
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45	272	272	0
46	272	272	0
47	319	319	0
48	319	319	0
49	368	368	0
50	368	368	0
51	368	368	0
52	368	368	0
53	421	421	0
54	421	421	0
55	421	421	0
56	421	421	0
57	421	421	0
58	421	421	0
59	480	480	0
60	480	480	0
61	541	541	0
62	541	541	0
63	541	541	0
64	541	541	0
65	541	541	0
66	541	541	0
67	608	608	0
68	608	608	0
69	608	608	0
70	608	608	0
71	679	679	0
72	679	679	0
73	752	752	0
74	752	752	0
75	752	752	0
76	752	752	0
77	829	829	0
78	829	829	0
79	908	908	0
80	908	908	0
81	908	908	0
82	908	908	0
83	991	991	0
84	991	991	0
85	991	991	0
86	991	991	0
87	991	991	0
88	991	991	0
89	1080	1080	0
90	1080	1080	0
91	1171	1171	0
92	1171	1171	0
93	1171	1171	0
94	1171	1171	0
95	1171	1171	0
96	1171	1171	0
97	1268	1268	0
98	1268	1268	0
99	1268	1268	0
100	1268	1268	0

```
\mathtt{FH[n\_]} \ := \ \mathtt{Sum[If[Mod[j,\,2] := 0 \mid | Mod[j,\,3] := 0 \mid | Mod[j,\,5] := 0,\,0,\,j],\,\{j,\,1,\,n\}]}
Table[FH2[n], {n, 1, 30}]
Table[FH[n], {n, 1, 30}]
\{1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 3, 3, 4, 4, 4, 4, 5, 5, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 8, 8\}
{1, 1, 1, 1, 1, 1, 8, 8, 8, 8, 19, 19, 32, 32, 32,
 32, 49, 49, 68, 68, 68, 68, 91, 91, 91, 91, 91, 91, 120, 120}
```