Plots and Graphs of Sequences

Burrito Matrix n = 22

Abs Sum of traveldistance in identity number of Burrito Matrix n A334671

```
In[7]:= a = {0, 4, 10, 23, 30, 44, 68, 84, 99, 144, 150, 184, 204, 264, 290, 330, 374, 420, 497, 520,
        574, 671, 633, 794, 648, 884, 954, 1080, 1122, 1248, 1176, 1116, 1430, 1577,
        1610, 1785, 1833, 1880, 1945, 2183, 2214, 2324, 2069, 2550, 2670, 2880, 3069,
        3040, 2112, 3300, 3571, 3662, 3710, 4145, 3132, 4332, 4294, 4529, 4525, 4760,
        4989, 4699, 4870, 4031, 5008, 5764, 5028, 6120, 6237, 5576, 7254, 7014, 6588,
        7212, 7389, 7799, 7110, 8060, 7020, 8566, 8622, 8856, 8294, 9326, 7728, 9901,
        10034, 8369, 10547, 10740, 11195, 11224, 11547, 12069, 11970, 12224, 7218,
        13069, 13267, 11418, 13530, 14052, 13416, 14519, 14630, 15071, 14682, 13140,
        12065, 14724, 16354, 16871, 13590, 13983, 17534, 17864, 18174, 18000, 18960,
        19120, 18087, 19764, 20090, 19461, 19542, 21084, 21767, 14669, 22146, 22703,
        22794, 22176, 21357, 23836, 24624, 24840, 24934, 25094, 22347, 25771, 26414,
        26270, 27470, 28235, 26460, 28590, 28714, 29399, 28086, 29900, 27692, 30704,
        31456, 22316, 31930, 33537, 30783, 34384, 32397, 33948, 31986, 34884, 29801,
        36378, 36190, 34241, 37598, 33484, 38343, 36432, 26350, 35928, 41958, 40832,
        39660, 37200, 41768, 42452, 42545, 43080, 28260, 42012, 40885, 45716, 43254,
        46004, 42821, 47000, 45839, 48582, 43814, 49087, 24864, 36408, 51332, 52005,
        51614, 52813, 45260, 53716, 53216, 54671, 53694, 56211, 35088, 56444, 56994,
        54576, 57651, 58660, 59532, 60396, 60935, 58721, 61490, 62064, 63021, 63035,
        64103, 64823, 64974, 65564, 66822, 67910, 67393, 68519, 68554, 69620, 60843,
        66336, 70987, 71835, 72460, 72476, 70344, 73637, 74734, 75839, 76709, 76859,
        71874, 77924, 78430, 78501, 81121, 80524, 77124, 81840, 81685, 72209};
    (*ListPlot[a]*)
    (*PrimeQ[a]*)
    (*ListPlay[a,PlayRange→Automatic]*)

    Table[If[PrimeQ[a], Framed[a], a], {a, Length[a]}]
```

Out[8]= {1, [2], [3], 4, [5], 6, [7], 8, 9, 10, [11], 12, [13], 14, 15, 16, [17], 18, [19], 20, 21,

22, [23], 24, 25, 26, 27, 28, [29], 30, [31], 32, 33, 34, 35, 36, [37], 38, 39, 40,

[41], 42, [43], 44, 45, 46, [47], 48, 49, 50, 51, 52, [53], 54, 55, 56, 57, 58, [59],

60, [61], 62, 63, 64, 65, 66, [67], 68, 69, 70, [71], 72, [73], 74, 75, 76, 77, 78,

[79], 80, 81, 82, [83], 84, 85, 86, 87, 88, [89], 90, 91, 92, 93, 94, 95, 96, [97],

98, 99, 100, [101], 102, [103], 104, 105, 106, [107], 108, [109], 110, 111, 112,

[113], 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, [127], 128,

129, 130, [131], 132, 133, 134, 135, 136, [137], 138, [139], 140, 141, 142, 143,

144, 145, 146, 147, 148, [149], 150, [151], 152, 153, 154, 155, 156, [157], 158,

159, 160, 161, 162, [163], 164, 165, 166, [167], 168, 169, 170, 171, 172, [173],

174, 175, 176, 177, 178, [179], 180, [181], 182, 183, 184, 185, 186, 187, 188,

189, 190, [191], 192, [193], 194, 195, 196, [197], 198, [199], 200, 201, 202, 203,

204, 205, 206, 207, 208, 209, 210, [211], 212, 213, 214, 215, 216, 217, 218, 219,

220, 221, 222, [223], 224, 225, 226, [227], 228, [229], 230, 231, 232, [233], 234,

235, 236, 237, 238, [239], 240, [241], 242, 243, 244, 245, 246, 247, 248, 249, 250}

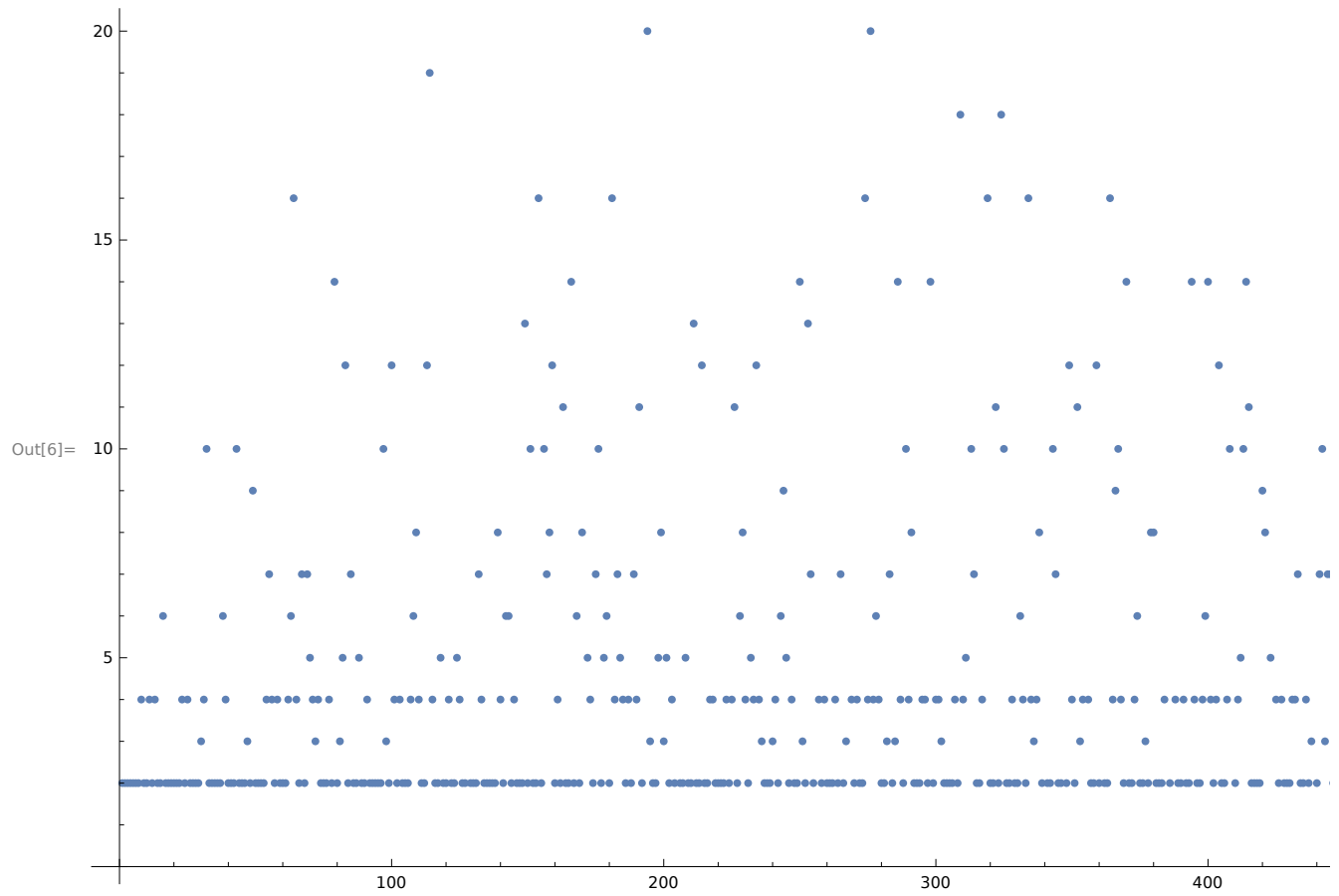## Number of times seq repeat itself A334672

In[4]:= `b = {2, 2, 2, 2, 2, 2, 2, 4, 2, 2, 4, 2, 4, 2, 2, 6, 2, 2, 2, 2, 2, 2, 4, 2, 4, 2, 2, 2, 2, 3, 4,`
`10, 2, 2, 2, 2, 2, 6, 4, 2, 2, 2, 10, 2, 2, 2, 3, 2, 9, 2, 2, 2, 2, 4, 7, 4, 2, 4, 2, 2,`
`2, 4, 6, 16, 4, 2, 7, 2, 7, 5, 4, 3, 4, 2, 2, 2, 4, 2, 14, 2, 3, 5, 12, 2, 7, 2, 2, 5,`
`2, 2, 4, 2, 2, 2, 2, 2, 10, 3, 2, 12, 4, 2, 4, 2, 2, 2, 4, 6, 8, 4, 2, 2, 12, 19, 4, 2,`
`2, 5, 2, 2, 4, 2, 2, 5, 4, 2, 2, 29, 2, 2, 2, 7, 4, 2, 2, 2, 2, 2, 8, 4, 2, 6, 6, 2, 4,`
`2, 2, 2, 13, 2, 10, 2, 2, 16, 2, 10, 7, 8, 12, 2, 4, 2, 11, 2, 2, 14, 2, 6, 2, 8, 32, 5,`
`4, 2, 7, 10, 2, 5, 6, 2, 16, 4, 7, 5, 4, 2, 4, 2, 7, 4, 11, 2, 25, 20, 3, 2, 2, 5, 8, 3,`
`5, 2, 4, 2, 35, 2, 2, 5, 2, 2, 13, 2, 2, 12, 2, 2, 4, 4, 2, 2, 2, 2, 4, 2, 4, 11, 2, 6,`
`8, 4, 2, 5, 4, 12, 4, 3, 2, 2, 2, 3, 4, 2, 6, 9, 5, 2, 4, 2, 2, 14, 3, 2, 13, 7, 2, 52,`
`4, 2, 4, 2, 2, 2, 4, 2, 7, 2, 3, 23, 4, 2, 4, 2, 2, 16, 4, 20, 4, 6, 4, 2, 2, 3, 7, 2,`
`3, 14, 4, 2, 10, 4, 8, 2, 2, 2, 4, 4, 2, 14, 2, 4, 4, 3, 2, 2, 2, 2, 4, 2, 18, 4, 5, 23,`
`10, 7, 2, 2, 4, 32, 16, 2, 2, 11, 2, 18, 10, 2, 2, 4, 2, 2, 6, 4, 2, 16, 4, 3, 4, 8, 2,`
`23, 2, 2, 10, 7, 2, 2, 39, 2, 12, 4, 2, 11, 3, 4, 21, 4, 2, 2, 12, 2, 21, 2, 2, 16, 4,`
`9, 10, 4, 2, 14, 2, 2, 4, 6, 2, 2, 3, 2, 8, 8, 2, 2, 2, 4, 29, 2, 33, 4, 2, 2, 4, 2, 2,`
`14, 4, 2, 2, 4, 6, 14, 4, 2, 4, 12, 2, 2, 4, 10, 23, 2, 4, 5, 10, 14, 11, 2, 2, 2, 2,`
`9, 8, 36, 5, 31, 4, 2, 4, 2, 2, 2, 4, 4, 7, 2, 2, 4, 2, 3, 25, 2, 7, 10, 3, 7, 7, 2, 2,`
`5, 2, 19, 19, 4, 6, 5, 3, 2, 11, 4, 2, 2, 7, 2, 13, 6, 2, 2, 2, 2, 2, 2, 2, 14, 16, 2,`
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`Table[If[PrimeQ[b], Framed[b], b], {b, Length[b]}]`
`ListPlot[b]`

Out[5]= {1, ⬚2⬚, ⬚3⬚, 4, ⬚5⬚, 6, ⬚7⬚, 8, 9, 10, ⬚11⬚, 12, ⬚13⬚, 14, 15, 16, ⬚17⬚, 18, ⬚19⬚, 20, 21, 22,

⬚23⬚, 24, 25, 26, 27, 28, ⬚29⬚, 30, ⬚31⬚, 32, 33, 34, 35, 36, ⬚37⬚, 38, 39, 40, ⬚41⬚, 42,

⬚43⬚, 44, 45, 46, ⬚47⬚, 48, 49, 50, 51, 52, ⬚53⬚, 54, 55, 56, 57, 58, ⬚59⬚, 60, ⬚61⬚, 62,

63, 64, 65, 66, ⬚67⬚, 68, 69, 70, ⬚71⬚, 72, ⬚73⬚, 74, 75, 76, 77, 78, ⬚79⬚, 80, 81, 82,

⬚83⬚, 84, 85, 86, 87, 88, ⬚89⬚, 90, 91, 92, 93, 94, 95, 96, ⬚97⬚, 98, 99, 100, ⬚101⬚,

102, ⬚103⬚, 104, 105, 106, ⬚107⬚, 108, ⬚109⬚, 110, 111, 112, ⬚113⬚, 114, 115, 116,

117, 118, 119, 120, 121, 122, 123, 124, 125, 126, ⬚127⬚, 128, 129, 130, ⬚131⬚, 132,

133, 134, 135, 136, ⬚137⬚, 138, ⬚139⬚, 140, 141, 142, 143, 144, 145, 146, 147, 148,

⬚149⬚, 150, ⬚151⬚, 152, 153, 154, 155, 156, ⬚157⬚, 158, 159, 160, 161, 162, ⬚163⬚, 164,

165, 166, ⬚167⬚, 168, 169, 170, 171, 172, ⬚173⬚, 174, 175, 176, 177, 178, ⬚179⬚, 180,

⬚181⬚, 182, 183, 184, 185, 186, 187, 188, 189, 190, ⬚191⬚, 192, ⬚193⬚, 194, 195, 196,

197 , 198, 199 , 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211 , 212,

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485, 486, 487 , 488, 489, 490, 491 , 492, 493, 494, 495, 496, 497, 498, 499 , 500}

Out[6]=

Sum of Identity Numbers n in Burrito Matrix size nn A335097

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    2486, 2638, 2899, 2507, 3072, 3298, 3404, 3571, 2606, 4078, 4096, 4356, 4429, 4657,
    3988, 5051, 5347, 5477, 5672, 5694, 5728, 5693, 6556, 6758, 7139, 7261, 7721, 6910,
    6802, 4192, 7780, 8779, 7840, 9317, 8196, 10005, 9818, 10044, 11038, 11348, 11419,
    11564, 10820, 12247, 9000, 12842, 13584, 12778, 10562, 14643, 13168, 14801, 15226,
    15586, 15782, 16291, 16694, 17021, 17550, 18123, 18146, 18529, 18148, 19064,
    20140, 15844, 20503, 21102, 20458, 21862, 22156, 23292, 22073, 19927, 22876,
    22307, 24754, 25452, 21952, 16416, 26423, 27029, 27496, 26216, 28751, 28921,
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    32434, 35305, 36653, 36736, 37408, 37676, 38025, 34679, 39344, 39904, 40421,
    40322, 41628, 43078, 42112, 43366, 44266, 37871, 45151, 43475, 46361, 47347,
    41157, 48206, 44973, 46281, 44627, 47745, 51610, 48302, 52651, 51248, 54536,
    54616, 48266, 56305, 59242, 58301, 51965, 32056, 58874, 57164, 61228, 56512,
    55762, 62520, 57737, 64792, 64981, 61114, 63383, 66454, 67359, 68564, 69379,
    69614, 70877, 69138, 71558, 65200, 72772, 58276, 62828, 75466, 75945, 77816,
    81684, 78113, 80603, 80664, 83068, 79940, 83052, 49508, 85079, 85906, 87732,
    88073, 88411, 78832, 90403, 91695, 87806, 92666, 93529, 95157, 91391, 94522,
    98898, 97904, 98791, 99942, 100700, 102873, 99156, 103286, 93997, 96903, 99965,
    108309, 103585, 109391, 92512, 112486, 113063, 112576, 114200, 115250, 117676,
    115774, 117371, 113692, 118589, 123020, 121279, 118668, 123257, 127558, 96706};

Table[If[PrimeQ[c], Framed[c], c], {c, Length[c]}]
ListPlot[c]
```

Out[2]= {1, ☐2☐, ☐3☐, 4, ☐5☐, 6, ☐7☐, 8, 9, 10, ☐11☐, 12, ☐13☐, 14, 15, 16, ☐17☐, 18, ☐19☐, 20, 21, 22, ☐23☐, 24, 25, 26, 27, 28, ☐29☐, 30, ☐31☐, 32, 33, 34, 35, 36, ☐37☐, 38, 39, 40, ☐41☐, 42, ☐43☐, 44, 45, 46, ☐47☐, 48, 49, 50, 51, 52, ☐53☐, 54, 55, 56, 57, 58, ☐59☐, 60, ☐61☐, 62, 63, 64, 65, 66, ☐67☐, 68, 69, 70, ☐71☐, 72, ☐73☐, 74, 75, 76, 77, 78, ☐79☐, 80, 81, 82, ☐83☐, 84, 85, 86, 87, 88, ☐89☐, 90, 91, 92, 93, 94, 95, 96, ☐97☐, 98, 99, 100, ☐101☐, 102, ☐103☐, 104, 105, 106, ☐107☐, 108, ☐109☐, 110, 111, 112, ☐113☐, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, ☐127☐, 128, 129, 130, ☐131☐, 132, 133, 134, 135, 136, ☐137☐, 138, ☐139☐, 140, 141, 142, 143, 144, 145, 146, 147, 148, ☐149☐, 150, ☐151☐, 152, 153, 154, 155, 156, ☐157☐, 158, 159, 160, 161, 162, ☐163☐, 164, 165, 166, ☐167☐, 168, 169, 170, 171, 172, ☐173☐, 174, 175, 176, 177, 178, ☐179☐, 180, ☐181☐, 182, 183, 184, 185, 186, 187, 188, 189, 190, ☐191☐, 192, ☐193☐, 194, 195, 196, ☐197☐, 198, ☐199☐, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, ☐211☐, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, ☐223☐, 224, 225, 226, ☐227☐, 228, ☐229☐, 230, 231, 232, ☐233☐, 234, 235, 236, 237, 238, ☐239☐, 240, ☐241☐, 242, 243, 244, 245, 246, 247, 248, 249, 250}

Out[3]=