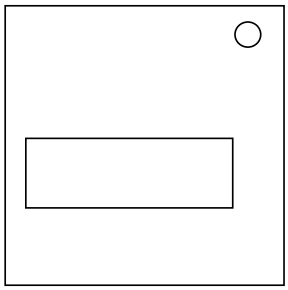
On the Subject of Pie



What is the point of naming this module 'pie' if there is no pie?! The pie is a lie!

See Appendix π for pi identification reference.

A Pie module shows five consecutive significant digits within the first 500 digits of pi (π). The digits are ordered from left to right.

Search for the position of the first digit, from which the five digits begin. Add this position to the number displayed on the module. Take this sum modulo 100. This result will be referred to as the number X.

Add up all the five digits, then take the least significant digit. This digit will be referred to as the number Y.

Follow all the rules below from top to bottom, pressing each digit only once:

1. If X is a prime number, press the first digit.
2. If X and Y are either both even or both odd, press the second digit.
3. If X is a multiple of three, press the third digit.
4. If Y is not zero, and X is a multiple of Y, press the fourth digit.
5. Press all the digits that are not pressed yet from right to left, starting from the fifth digit.

Appendix π: Pi Identification Reference

Here are the first 500 significant digits of pi.

3141592653589793238462643383279502884197
1693993751058209749445923078164062862089
9862803482534211706798214808651328230664
7093846095505822317253594081284811174502
8410270193852110555964462294895493038196
4428810975665933446128475648233786783165
2712019091456485669234603486104543266482
1339360726024914127372458700660631558817
4881520920962829254091715364367892590360
0113305305488204665213841469519415116094
3305727036575959195309218611738193261179
3105118548074462379962749567351885752724
8912279381830119491

Line	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	3	1	4	1	5	9	2	6	5	3	5	8	9	7	9	3	2	3	8	4
2	6	2	6	4	3	3	8	3	2	7	9	5	0	2	8	8	4	1	9	7
3	1	6	9	3	9	9	3	7	5	1	0	5	8	2	0	9	7	4	9	4
4	4	5	9	2	3	0	7	8	1	6	4	0	6	2	8	6	2	0	8	9
5	9	8	6	2	8	0	3	4	8	2	5	3	4	2	1	1	7	0	6	7
6	9	8	2	1	4	8	0	8	6	5	1	3	2	8	2	3	0	6	6	4
7	7	0	9	3	8	4	4	6	0	9	5	5	0	5	8	2	2	3	1	7
8	2	5	3	5	9	4	0	8	1	2	8	4	8	1	1	1	7	4	5	0
9	2	8	4	1	0	2	7	0	1	9	3	8	5	2	1	1	0	5	5	5
10	9	6	4	4	6	2	2	9	4	8	9	5	4	9	3	0	3	8	1	9
11	6	4	4	2	8	8	1	0	9	7	5	6	6	5	9	3	3	4	4	6
12	1	2	8	4	7	5	6	4	8	2	3	3	7	8	6	7	8	3	1	6
13	5	2	7	1	2	0	1	9	0	9	1	4	5	6	4	8	5	6	6	9
14	2	3	4	6	0	3	4	8	6	1	0	4	5	4	3	2	6	6	4	8
15	2	1	3	3	9	3	6	0	7	2	6	0	2	4	9	1	4	1	2	7
16	3	7	2	4	5	8	7	0	0	6	6	0	6	3	1	5	5	8	8	1
17	7	4	8	8	1	5	2	0	9	2	0	9	6	2	8	2	9	2	5	4
18	0	9	1	7	1	5	3	6	4	3	6	7	8	9	2	5	9	0	3	6
19	0	0	1	1	3	3	0	5	3	0	5	4	8	8	2	0	4	6	6	5
20	2	1	3	8	4	1	4	6	9	5	1	9	4	1	5	1	1	6	0	9
21	4	3	3	0	5	7	2	7	0	3	6	5	7	5	9	5	9	1	9	5
22	3	0	9	2	1	8	6	1	1	7	3	8	1	9	3	2	6	1	1	7
23	9	3	1	0	5	1	1	8	5	4	8	0	7	4	4	6	2	3	7	9
24	9	6	2	7	4	9	5	6	7	3	5	1	8	8	5	7	5	2	7	2
25	4	8	9	1	2	2	7	9	3	8	1	8	3	0	1	1	9	4	9	1