

Tests To run						Theoretic Values												
ID	N	p = 1/N	i (attacks p period)	Attack Speed (mse=Period Time (sec))	P Not Att	Mean Att (n . p)	n	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods Without Attack (NA)					
98_N2048	2048	0.00048828125	42	500	21	97.97%	0.02	42	#DIV/0!	#DIV/0!	100	35.00	0.58	97.97				
	PERIODS	100		100		0												
	ATTAK	3		4		0												
	NOT ATTAK	97		96		0												
		02-26 20h20	A	02-26 22h30														
		Found the network		Found the network														
		WLAN connection to IMTIIoT success		WLAN connection to IMTIIoT succeeded!														
		IP-address: 192.168.1.84		IP-address: 192.168.1.84														
		Updating internal clock.		Updating internal clock.														
		N=2048, T(seg)=21 , Repeat=100		N=2048, T(seg)=21 , Repeat=100														
		BEGIN: (2020, 2, 26, 19, 19, 51, 2,		BEGIN: (2020, 2, 26, 21, 30, 7, 2, 57)														
		KEY: b'7465737474657374746573'		KEY: b'74657374746573747465737474657374'														
		MTDPort-Range: 10001-12048		MTDPort-Range: 10001-12048														
		[0] port: 11034		[0] port: 10249														
		[0] attk: 0		[0] attk: 0														
		[1] port: 10043		[1] port: 11311														
		[1] attk: 0		[1] attk: 0														
		[2] port: 11362		[2] port: 11043														
		[2] attk: 0		[2] attk: 0														
		[3] port: 10990		[3] port: 10455														
		[3] attk: 0		[3] attk: 0														
		[4] port: 11364		[4] port: 10302														
		[4] attk: 0		[4] attk: 1														
		[5] port: 11163		[5] port: 11541														
		[5] attk: 0		[5] attk: 0														
		[6] port: 10103		[6] port: 10779														
		[6] attk: 0		[6] attk: 0														
		[7] port: 11777		[7] port: 10681														
		[7] attk: 0		[7] attk: 0														
		[8] port: 11617		[8] port: 10861														
		[8] attk: 0		[8] attk: 0														
		[9] port: 11273		[9] port: 10739														
		[9] attk: 0		[9] attk: 0														
		[10] port: 11523		[10] port: 10886														
		[10] attk: 0		[10] attk: 0														
		[11] port: 11117		[11] port: 10660														
		[11] attk: 0		[11] attk: 0														
		[12] port: 10337		[12] port: 10530														
		[12] attk: 0		[12] attk: 0														
		[13] port: 10880		[13] port: 11933														
		[13] attk: 0		[13] attk: 0														
		[14] port: 10509		[14] port: 11617														
		[14] attk: 0		[14] attk: 0														
		[15] port: 11997		[15] port: 10389														
		[15] attk: 0		[15] attk: 0														
		[16] port: 10142		[16] port: 10098														

	[16] attk: 0		[16] attk: 0												
	[17] port: 10550		[17] port: 10531												
	[17] attk: 0		[17] attk: 1												
	[18] port: 11481		[18] port: 10714												
	[18] attk: 0		[18] attk: 0												
	[19] port: 10104		[19] port: 11153												
	[19] attk: 0		[19] attk: 0												
	[20] port: 10379		[20] port: 10444												
	[20] attk: 0		[20] attk: 0												
	[21] port: 11175		[21] port: 11046												
	[21] attk: 0		[21] attk: 0												
	[22] port: 11334		[22] port: 10962												
	[22] attk: 0		[22] attk: 0												
	[23] port: 12043		[23] port: 10492												
	[23] attk: 0		[23] attk: 0												
	[24] port: 11337		[24] port: 11790												
	[24] attk: 0		[24] attk: 0												
	[25] port: 11373		[25] port: 10681												
	[25] attk: 0		[25] attk: 0												
	[26] port: 11603		[26] port: 11374												
	[26] attk: 0		[26] attk: 0												
	[27] port: 11202		[27] port: 11396												
	[27] attk: 0		[27] attk: 0												
	[28] port: 11655		[28] port: 10362												
	[28] attk: 0		[28] attk: 0												
	[29] port: 11208		[29] port: 10190												
	[29] attk: 0		[29] attk: 0												
	[30] port: 10593		[30] port: 10802												
	[30] attk: 0		[30] attk: 0												
	[31] port: 10937		[31] port: 10249												
	[31] attk: 0		[31] attk: 0												
	[32] port: 11708		[32] port: 11395												
	[32] attk: 1		[32] attk: 0												
	[33] port: 11134		[33] port: 11807												
	[33] attk: 0		[33] attk: 0												
	[34] port: 11077		[34] port: 11458												
	[34] attk: 0		[34] attk: 0												
	[35] port: 11145		[35] port: 11454												
	[35] attk: 0		[35] attk: 0												
	[36] port: 10372		[36] port: 11623												
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	[37] port: 10377		[37] port: 10779												
	[37] attk: 0		[37] attk: 0												
	[38] port: 10278		[38] port: 11305												
	[38] attk: 0		[38] attk: 0												
	[39] port: 10934		[39] port: 10485												
	[39] attk: 0		[39] attk: 0												
	[40] port: 10987		[40] port: 10590												
	[40] attk: 0		[40] attk: 0												

	[41] port: 11415		[41] port: 11134											
	[41] attk: 0		[41] attk: 0											
	[42] port: 10998		[42] port: 11958											
	[42] attk: 0		[42] attk: 0											
	[43] port: 11710		[43] port: 11847											
	[43] attk: 0		[43] attk: 0											
	[44] port: 11628		[44] port: 10287											
	[44] attk: 0		[44] attk: 0											
	[45] port: 10789		[45] port: 11892											
	[45] attk: 0		[45] attk: 0											
	[46] port: 11045		[46] port: 11144											
	[46] attk: 0		[46] attk: 0											
	[47] port: 10411		[47] port: 11827											
	[47] attk: 0		[47] attk: 0											
	[48] port: 11015		[48] port: 10553											
	[48] attk: 0		[48] attk: 0											
	[49] port: 10620		[49] port: 10634											
	[49] attk: 0		[49] attk: 0											
	[50] port: 11914		[50] port: 10527											
	[50] attk: 0		[50] attk: 0											
	[51] port: 10998		[51] port: 11160											
	[51] attk: 0		[51] attk: 0											
	[52] port: 11148		[52] port: 11796											
	[52] attk: 0		[52] attk: 0											
	[53] port: 11687		[53] port: 11994											
	[53] attk: 0		[53] attk: 0											
	[54] port: 10437		[54] port: 11525											
	[54] attk: 0		[54] attk: 0											
	[55] port: 12036		[55] port: 11616											
	[55] attk: 0		[55] attk: 0											
	[56] port: 11401		[56] port: 11182											
	[56] attk: 0		[56] attk: 0											
	[57] port: 11622		[57] port: 11151											
	[57] attk: 0		[57] attk: 0											
	[58] port: 10668		[58] port: 10508											
	[58] attk: 0		[58] attk: 0											
	[59] port: 10811		[59] port: 11748											
	[59] attk: 0		[59] attk: 0											
	[60] port: 10972		[60] port: 10425											
	[60] attk: 0		[60] attk: 0											
	[61] port: 11052		[61] port: 11226											
	[61] attk: 0		[61] attk: 0											
	[62] port: 10657		[62] port: 10891											
	[62] attk: 0		[62] attk: 0											
	[63] port: 11893		[63] port: 11917											
	[63] attk: 0		[63] attk: 0											
	[64] port: 11827		[64] port: 11528											
	[64] attk: 0		[64] attk: 0											
	[65] port: 12040		[65] port: 10431											

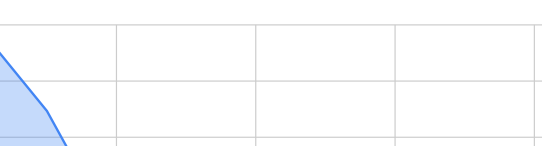
	[65] attk: 0		[65] attk: 0											
	[66] port: 11850		[66] port: 11208											
	[66] attk: 0		[66] attk: 0											
	[67] port: 10450		[67] port: 11465											
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	[68] port: 10868		[68] port: 10423											
	[68] attk: 0		[68] attk: 0											
	[69] port: 11935		[69] port: 12012											
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	[70] port: 11470		[70] port: 11923											
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	[71] port: 10281		[71] port: 10408											
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	[72] port: 11133		[72] port: 10201											
	[72] attk: 0		[72] attk: 0											
	[73] port: 10062		[73] port: 11246											
	[73] attk: 0		[73] attk: 0											
	[74] port: 11591		[74] port: 10422											
	[74] attk: 0		[74] attk: 0											
	[75] port: 11083		[75] port: 11639											
	[75] attk: 0		[75] attk: 0											
	[76] port: 11379		[76] port: 11885											
	[76] attk: 0		[76] attk: 0											
	[77] port: 11672		[77] port: 10804											
	[77] attk: 0		[77] attk: 0											
	[78] port: 11010		[78] port: 11121											
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	[79] port: 11989		[79] port: 10872											
	[79] attk: 0		[79] attk: 0											
	[80] port: 10107		[80] port: 10253											
	[80] attk: 0		[80] attk: 0											
	[81] port: 11624		[81] port: 11064											
	[81] attk: 1		[81] attk: 0											
	[82] port: 11857		[82] port: 11216											
	[82] attk: 0		[82] attk: 1											
	[83] port: 10679		[83] port: 11479											
	[83] attk: 0		[83] attk: 0											
	[84] port: 11072		[84] port: 10123											
	[84] attk: 0		[84] attk: 0											
	[85] port: 10443		[85] port: 10763											
	[85] attk: 0		[85] attk: 0											
	[86] port: 11608		[86] port: 11996											
	[86] attk: 0		[86] attk: 0											
	[87] port: 10947		[87] port: 10793											
	[87] attk: 0		[87] attk: 0											
	[88] port: 11596		[88] port: 11744											
	[88] attk: 0		[88] attk: 0											
	[89] port: 10420		[89] port: 10649											
	[89] attk: 0		[89] attk: 0											

	[90] port: 11066		[90] port: 10311											
	[90] attk: 0		[90] attk: 0											
	[91] port: 11406		[91] port: 11911											
	[91] attk: 0		[91] attk: 0											
	[92] port: 10672		[92] port: 11740											
	[92] attk: 0		[92] attk: 0											
	[93] port: 11764		[93] port: 11255											
	[93] attk: 1		[93] attk: 0											
	[94] port: 10620		[94] port: 10546											
	[94] attk: 0		[94] attk: 1											
	[95] port: 10534		[95] port: 10488											
	[95] attk: 0		[95] attk: 0											
	[96] port: 10404		[96] port: 10137											
	[96] attk: 0		[96] attk: 0											
	[97] port: 11567		[97] port: 10347											
	[97] attk: 0		[97] attk: 0											
	[98] port: 10178		[98] port: 10678											
	[98] attk: 0		[98] attk: 0											
	[99] port: 11994		[99] port: 10145											
	[99] attk: 0		[99] attk: 0											
	END: (2020, 2, 26, 19, 55, 5, 2, 57) END: (2020, 2, 26, 22, 5, 21, 2, 57)													
	Pycom MicroPython 1.18.2.r7 [v1.8 Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32													
	Type "help()" for more information. Type "help()" for more information.													
	>>>													

Tests To run					Theoretic Values												
ID	N	p = 1/N	i (attacks p period)	tack Speed (mse)	Period Time (sec)	P Not Att	Mean Att (n . p)	n	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods Without Attack (NA)			
76_N2048	2048	0.00048828125	562	500	281	76.00%	0.27	562	#DIV/0!	#DIV/0!	50	234.17	3.90	38.00			
	PERIODS	50		0		0											
	ATTAK	12		0		0											
	NOT ATTAK	38		0		0											
	02-26 17h40 B																
	Found the network																
	WLAN connection to IMTIIoT succeeded!																
	IP-address: 192.168.1.85																
	Updating internal clock.																
	N=2048, T(seg)=281 , Repeat=50																
	BEGIN: (2020, 2, 26, 16, 38, 32, 2, 57)																
	KEY: b'74657374746573747465737474657374'																
	MTDPort-Range: 10001-12048																
	[0] port: 10429																
	[0] attk: 0																
	[1] port: 10012																
	[1] attk: 0																
	[2] port: 10931																
	[2] attk: 0																
	[3] port: 11925																
	[3] attk: 0																
	[4] port: 10219																
	[4] attk: 1																
	[5] port: 10480																
	[5] attk: 0																
	[6] port: 10324																
	[6] attk: 0																
	[7] port: 11226																
	[7] attk: 0																
	[8] port: 11663																
	[8] attk: 1																
	[9] port: 12022																
	[9] attk: 0																
	[10] port: 11544																
	[10] attk: 0																
	[11] port: 10653																
	[11] attk: 0																
	[12] port: 11198																
	[12] attk: 0																
	[13] port: 10654																
	[13] attk: 0																
	[14] port: 10594																
	[14] attk: 0																
	[15] port: 11532																
	[15] attk: 1																
	[16] port: 10691																

	[16] attk: 0														
	[17] port: 10710														
	[17] attk: 0														
	[18] port: 12007														
	[18] attk: 0														
	[19] port: 11327														
	[19] attk: 1														
	[20] port: 10953														
	[20] attk: 1														
	[21] port: 11039														
	[21] attk: 0														
	[22] port: 10303														
	[22] attk: 0														
	[23] port: 11572														
	[23] attk: 0														
	[24] port: 10845														
	[24] attk: 0														
	[25] port: 10681														
	[25] attk: 2														
	[26] port: 10353														
	[26] attk: 2														
	[27] port: 10313														
	[27] attk: 0														
	[28] port: 10767														
	[28] attk: 1														
	[29] port: 10796														
	[29] attk: 0														
	[30] port: 11479														
	[30] attk: 1														
	[31] port: 10322														
	[31] attk: 0														
	[32] port: 11690														
	[32] attk: 0														
	[33] port: 10440														
	[33] attk: 0														
	[34] port: 10563														
	[34] attk: 0														
	[35] port: 11665														
	[35] attk: 0														
	[36] port: 10630														
	[36] attk: 0														
	[37] port: 10524														
	[37] attk: 0														
	[38] port: 10974														
	[38] attk: 0														
	[39] port: 11139														
	[39] attk: 0														
	[40] port: 10378														
	[40] attk: 1														

	[41] port: 10552														
	[41] attk: 1														
	[42] port: 11290														
	[42] attk: 1														
	[43] port: 11977														
	[43] attk: 0														
	[44] port: 11589														
	[44] attk: 0														
	[45] port: 10812														
	[45] attk: 0														
	[46] port: 10349														
	[46] attk: 0														
	[47] port: 10636														
	[47] attk: 0														
	[48] port: 11386														
	[48] attk: 0														
	[49] port: 10604														
	[49] attk: 0														
	END: (2020, 2, 26, 20, 32, 51, 2, 57)														
	Pycom MicroPython 1.19.0.b4 [v1.9.4-50f84dd] on 2018-07-13; LoPy4 with ESP32														
	>>>														



PMF of Number of Attacks

A line plot showing the Probability Mass Function (PMF) of the number of attacks (natt). The x-axis is labeled 'natt' and ranges from 0 to 9. The y-axis ranges from 0.0 to 0.5. The plot shows a decreasing trend, starting at 0.5 for natt=0 and approaching 0 for natt=9. The area under the curve is shaded in light blue.

natt	PMF
0	0.50
1	0.35
2	0.12
3	0.03
4	0.01
5	0.005
6	0.002
7	0.001
8	0.0005
9	0.0002

[6] port: 11614	[6] port: 11131	[6] port: 11869													
[6] attk: 0	[6] attk: 1	[6] attk: 0													
[7] port: 10491	[7] port: 11659	[7] port: 11260													
[7] attk: 2	[7] attk: 1	[7] attk: 1													
[8] port: 10570	[8] port: 10296	[8] port: 11340													
[8] attk: 0	[8] attk: 2	[8] attk: 0													
[9] port: 11144	[9] port: 10167	[9] port: 10960													
[9] attk: 0	[9] attk: 1	[9] attk: 1													
[10] port: 10704	[10] port: 10067	[10] port: 11048													
[10] attk: 0	[10] attk: 2	[10] attk: 2													
[11] port: 10606	[11] port: 11465	[11] port: 10596													
[11] attk: 0	[11] attk: 1	[11] attk: 0													
[12] port: 11291	[12] port: 10650	[12] port: 10764													
[12] attk: 0	[12] attk: 0	[12] attk: 0													
[13] port: 11377	[13] port: 11232	[13] port: 10310													
[13] attk: 1	[13] attk: 0	[13] attk: 1													
[14] port: 11662	[14] port: 11982	[14] port: 10591													
[14] attk: 0	[14] attk: 0	[14] attk: 0													
[15] port: 11691	[15] port: 11501	[15] port: 10963													
[15] attk: 0	[15] attk: 0	[15] attk: 0													
[16] port: 11779	[16] port: 10574	[16] port: 10182													
[16] attk: 0	[16] attk: 1	[16] attk: 0													
[17] port: 10087	[17] port: 10973	[17] port: 10697													
[17] attk: 2	[17] attk: 2	[17] attk: 0													
[18] port: 10043	[18] port: 11474	[18] port: 10551													
[18] attk: 0	[18] attk: 0	[18] attk: 1													
[19] port: 10205	[19] port: 10088	[19] port: 10620													
[19] attk: 1	[19] attk: 0	[19] attk: 1													
[20] port: 11554	[20] port: 11848	[20] port: 10232													
[20] attk: 0	[20] attk: 2	[20] attk: 1													
[21] port: 11078	[21] port: 10754	[21] port: 11375													
[21] attk: 2	[21] attk: 5	[21] attk: 0													
[22] port: 10627	[22] port: 10731	[22] port: 10530													
[22] attk: 1	[22] attk: 0	[22] attk: 2													
[23] port: 11357	[23] port: 11439	[23] port: 10407													
[23] attk: 1	[23] attk: 0	[23] attk: 0													
[24] port: 11008	[24] port: 11642	[24] port: 11838													
[24] attk: 0	[24] attk: 0	[24] attk: 1													
[25] port: 11994	[25] port: 11728	[25] port: 11633													
[25] attk: 0	[25] attk: 1	[25] attk: 1													
[26] port: 10064	[26] port: 10393	[26] port: 11660													
[26] attk: 0	[26] attk: 1	[26] attk: 2													
[27] port: 10869	[27] port: 10209	[27] port: 11388													
[27] attk: 3	[27] attk: 0	[27] attk: 3													
[28] port: 11492	[28] port: 11098	[28] port: 11420													
[28] attk: 0	[28] attk: 3	[28] attk: 1													
[29] port: 10691	[29] port: 11788	[29] port: 11361													
[29] attk: 0	[29] attk: 0	[29] attk: 0													
END: (2020, 2, 24, 11:56) END: (2020, 2, 25, 4, 19, 20, 1, 56) END: (2020, 2, 25, 15, 53, 31, 1, 56)															
Pycom MicroPython 1.18.2.r7 [v1.18.2.r7] on 2019-05-14; LoPy4 with ESP32															
Type "help()" for more information. Type "help()" for more information. Type "help()" for more information.															
>>>	>>>	>>>													

Tests To run					Theoretic Values												
ID	N	p = 1/N	t (attacks p	periodtack Speed (mse=	Period Time (sec	P Not Att	Mean Att (n . p)	n	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods Without Attack (NA)			
76_N1024_	1024	0.0009765625	280	500	140	76.07%	0.27	280	#DIV/0!	#DIV/0!	50	116.67	1.94	38.03			
	PERIODS	50		50		50			50		50		50	50			
	ATTAK	14		13		12			9		11		12	11			
	NOT ATTAI	36		37		38			41		39		38	39			
	02-25 15h55	A		02-25 20h00	A	02-25 20h00	B		02-26 10h00	B	02-26 12h35	B	02-26 15h00	B	02-27 21h38	B	
	Found the network			Found the network		Found the network			Found the network		Found the network		Found the network		Found the network		
	WLAN connection to IMTIIoT succe			WLAN connection to IMTIIoT succe		WLAN connection to IMTIIoT succeeded!			WLAN connection to IMTIIoT succe		WLAN connection to IMTIIoT succe		WLAN connection to IMTIIoT succe		WLAN connection to IMTIIoT succeeded!		
	IP-address: 192.168.1.84			IP-address: 192.168.1.84		IP-address: 192.168.1.85			IP-address: 192.168.1.85		IP-address: 192.168.1.85		IP-address: 192.168.1.85		IP-address: 192.168.1.85		
	Updating internal clock.			Updating internal clock.		Updating internal clock.			Updating internal clock.		Updating internal clock.		Updating internal clock.		Updating internal clock.		
	N=1024, T(seg)=140 , Repeat=50			N=1024, T(seg)=140 , Repeat=50		N=1024, T(seg)=140 , Repeat=50			N=1024, T(seg)=140 , Repeat=50		N=1024, T(seg)=140 , Repeat=50		N=1024, T(seg)=140 , Repeat=50		N=1024, T(seg)=140 , Repeat=50		
	BEGIN: (2020, 2, 25, 14, 53, 57, 1,			BEGIN: (2020, 2, 25, 19, 9, 8, 1, 5)		BEGIN: (2020, 2, 25, 19, 14, 1, 1, 56)			BEGIN: (2020, 2, 26, 9, 13, 38, 2,		BEGIN: (2020, 2, 26, 11, 34, 15, 2,		BEGIN: (2020, 2, 26, 14, 8, 35, 2,		BEGIN: (2020, 2, 27, 20, 38, 29, 3, 58)		
	KEY: b'746573747465737474657374			KEY: b'746573747465737474657374		KEY: b'74657374746573747465737474			KEY: b'746573747465737474657374		KEY: b'746573747465737474657374		KEY: b'746573747465737474657374		KEY: b'74657374746573747465737474657374'		
	MTDPort-Range: 10001-11024			MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024			MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024		
	[0] port: 10816			[0] port: 10352		1582658000			[0] port: 10195		[0] port: 10343		[0] port: 10357		[0] port: 10169		
	[0] attk: 1			[0] attk: 0		[0] port: 10130			[0] attk: 0		[0] attk: 0		[0] attk: 0		[0] attk: 0		
	[1] port: 10508			[1] port: 10407		[0] attk: 0			[1] port: 10325		[1] port: 10802		[1] port: 10243		[1] port: 10287		
	[1] attk: 0			[1] attk: 1		[1] port: 10322			[1] attk: 0		[1] attk: 0		[1] attk: 1		[1] attk: 0		
	[2] port: 10861			[2] port: 10130		[1] attk: 0			[2] port: 10386		[2] port: 10107		[2] port: 10929		[2] port: 10325		
	[2] attk: 0			[2] attk: 0		[2] port: 11018			[2] attk: 0		[2] attk: 1		[2] attk: 0		[2] attk: 0		
	[3] port: 10897			[3] port: 10322		[2] attk: 3			[3] port: 10883		[3] port: 10613		[3] port: 10034		[3] port: 10857		
	[3] attk: 0			[3] attk: 0		[3] port: 10785			[3] attk: 0		[3] attk: 0		[3] attk: 0		[3] attk: 0		
	[4] port: 10617			[4] port: 11018		[3] attk: 0			[4] port: 10889		[4] port: 10859		[4] port: 10326		[4] port: 10466		
	[4] attk: 0			[4] attk: 0		[4] port: 10364			[4] attk: 1		[4] attk: 0		[4] attk: 0		[4] attk: 1		
	[5] port: 10965			[5] port: 10785		[4] attk: 0			[5] port: 10458		[5] port: 10941		[5] port: 10340		[5] port: 10098		
	[5] attk: 0			[5] attk: 1		[5] port: 10060			[5] attk: 0		[5] attk: 0		[5] attk: 2		[5] attk: 0		

	[21] attk: 0	[21] attk: 0	[21] port: 10987	[21] attk: 0	[21] attk: 0	[21] attk: 0	[21] attk: 0		
	[22] port: 10483	[22] port: 10173	[21] attk: 0	[22] port: 10387	[22] port: 10566	[22] port: 10415	[22] port: 10072		
	[22] attk: 1	[22] attk: 0	[22] port: 10787	[22] attk: 0	[22] attk: 0	[22] attk: 1	[22] attk: 0		
	[23] port: 10946	[23] port: 10987	[22] attk: 1	[23] port: 10450	[23] port: 10643	[23] port: 10091	[23] port: 10357		
	[23] attk: 0	[23] attk: 0	[23] port: 10076	[23] attk: 0	[23] attk: 1	[23] attk: 0	[23] attk: 0		
	[24] port: 10438	[24] port: 10787	[23] attk: 0	[24] port: 10796	[24] port: 10939	[24] port: 10664	[24] port: 10746		
	[24] attk: 1	[24] attk: 0	[24] port: 10305	[24] attk: 0	[24] attk: 0	[24] attk: 0	[24] attk: 0		
	[25] port: 10570	[25] port: 10076	[24] attk: 1	[25] port: 10913	[25] port: 10901	[25] port: 10577	[25] port: 10651		
	[25] attk: 0	[25] attk: 0	[25] port: 10015	[25] attk: 1	[25] attk: 0	[25] attk: 0	[25] attk: 0		
	[26] port: 10548	[26] port: 10305	[25] attk: 0	[26] port: 10983	[26] port: 10183	[26] port: 11023	[26] port: 10911		
	[26] attk: 0	[26] attk: 0	[26] port: 10123	[26] attk: 0	[26] attk: 0	[26] attk: 0	[26] attk: 0		
	[27] port: 10233	[27] port: 10015	[26] attk: 1	[27] port: 10472	[27] port: 10160	[27] port: 10471	[27] port: 10600		
	[27] attk: 0	[27] attk: 0	[27] port: 10383	[27] attk: 0	[27] attk: 1	[27] attk: 1	[27] attk: 0		
	[28] port: 10711	[27] attk: 0	[27] port: 10123	[28] port: 10440	[28] port: 10687	[28] port: 10674	[28] port: 10862		
	[28] attk: 0	[28] attk: 0	[28] port: 10883	[28] attk: 2	[28] attk: 0	[28] attk: 0	[28] attk: 1		
	[29] port: 10260	[29] port: 10383	[28] attk: 0	[29] port: 10132	[29] port: 10437	[29] port: 10105	[29] port: 10914		
	[29] attk: 1	[29] attk: 0	[29] port: 10360	[29] attk: 1	[29] attk: 0	[29] attk: 0	[29] attk: 1		
	[30] port: 10161	[30] port: 10883	[29] attk: 0	[30] port: 10352	[30] port: 10410	[30] port: 10352	[30] port: 10516		
	[30] attk: 1	[30] attk: 0	[30] port: 11003	[30] attk: 0	[30] attk: 1	[30] attk: 0	[30] attk: 0		
	[31] port: 10040	[31] port: 10360	[30] attk: 0	[31] port: 10941	[31] port: 10976	[31] port: 10251	[31] port: 10673		
	[31] attk: 0	[31] attk: 0	[31] port: 10353	[31] attk: 1	[31] attk: 0	[31] attk: 1	[31] attk: 1		
	[32] port: 10208	[32] port: 11003	[31] attk: 0	[32] port: 10701	[32] port: 10066	[32] port: 10506	[32] port: 10114		
	[32] attk: 0	[32] attk: 0	[32] port: 10571	[32] attk: 0	[32] attk: 0	[32] attk: 0	[32] attk: 0		
	[33] port: 10968	[33] port: 10353	[32] attk: 1	[33] port: 10643	[33] port: 10611	[33] port: 10233	[33] port: 10658		
	[33] attk: 0	[33] attk: 0	[33] port: 10579	[33] attk: 0	[33] attk: 0	[33] attk: 1	[33] attk: 1		
	[34] port: 11009	[34] port: 10571	[33] attk: 0	[34] port: 10840	[34] port: 10972	[34] port: 10453	[34] port: 10849		
	[34] attk: 0	[34] attk: 0	[34] port: 10309	[34] attk: 0	[34] attk: 0	[34] attk: 0	[34] attk: 0		
	[35] port: 10190	[35] port: 10579	[34] attk: 1	[35] port: 10354	[35] port: 10624	[35] port: 10950	[35] port: 11017		
	[35] attk: 0	[35] attk: 1	[35] port: 10440	[35] attk: 0	[35] attk: 2	[35] attk: 0	[35] attk: 0		
	[36] port: 10581	[36] port: 10309	[35] attk: 0	[36] port: 10422	[36] port: 10339	[36] port: 10356	[36] port: 10243		
	[36] attk: 0	[36] attk: 0	[36] port: 10191	[36] attk: 0	[36] attk: 0	[36] attk: 0	[36] attk: 0		
	[37] port: 10106	[37] port: 10440	[36] attk: 0	[37] port: 10416	[37] port: 10354	[37] port: 10795	[37] port: 10877		
	[37] attk: 0	[37] attk: 0	[37] port: 10364	[37] attk: 0	[37] attk: 0	[37] attk: 0	[37] attk: 0		
	[38] port: 10710	[38] port: 10191	[37] attk: 0	[38] port: 10855	[38] port: 11016	[38] port: 10816	[38] port: 10113		
	[38] attk: 0	[38] attk: 1	[38] port: 10042	[38] attk: 0	[38] attk: 0	[38] attk: 0	[38] attk: 1		
	[39] port: 10631	[39] port: 10364	[38] attk: 0	[39] port: 10692	[39] port: 10144	[39] port: 10797	[39] port: 10994		
	[39] attk: 0	[39] attk: 0	[39] port: 10287	[39] attk: 0	[39] attk: 1	[39] attk: 1	[39] attk: 0		
	[40] port: 10972	[40] port: 10042	[39] attk: 1	[40] port: 10525	[40] port: 10912	[40] port: 10610	[40] port: 10963		
	[40] attk: 0	[40] attk: 0	[40] port: 10048	[40] attk: 0	[40] attk: 0	[40] attk: 0	[40] attk: 0		
	[41] port: 10222	[41] port: 10287	[40] attk: 0	[41] port: 10302	[41] port: 10800	[41] port: 10999	[41] port: 10509		
	[41] attk: 1	[41] attk: 0	[41] port: 10031	[41] attk: 0	[41] attk: 0	[41] attk: 0	[41] attk: 1		
	[42] port: 10947	[42] port: 10048	[41] attk: 0	[42] port: 10693	[42] port: 10692	[42] port: 10050	[42] port: 10248		
	[42] attk: 0	[42] attk: 0	[42] port: 10842	[42] attk: 0	[42] attk: 0	[42] attk: 0	[42] attk: 0		
	[43] port: 10652	[43] port: 10031	[42] attk: 0	[43] port: 10228	[43] port: 10799	[43] port: 10321	[43] port: 10637		
	[43] attk: 0	[43] attk: 0	[43] port: 10225	[43] attk: 1	[43] attk: 2	[43] attk: 0	[43] attk: 0		
	[44] port: 10922	[44] port: 10842	[43] attk: 0	[44] port: 10876	[44] port: 10861	[44] port: 10020	[44] port: 10531		
	[44] attk: 0	[44] attk: 0	[44] port: 10333	[44] attk: 0	[44] attk: 0	[44] attk: 1	[44] attk: 0		
	[45] port: 10164	[45] port: 10225	[44] attk: 0	[45] port: 10207	[45] port: 10167	[45] port: 10989	[45] port: 10535		
	[45] attk: 0	[45] attk: 1	[45] port: 10941	[45] attk: 0	[45] attk: 0	[45] attk: 0	[45] attk: 0		
	[46] port: 10981	[46] port: 10333	[45] attk: 1	[46] port: 10955	[46] port: 10647	[46] port: 10419	[46] port: 10044		
	[46] attk: 0	[46] attk: 0	[46] port: 10901	[46] attk: 0	[46] attk: 1	[46] attk: 0	[46] attk: 0		
	[47] port: 10672	[47] port: 10941	[46] attk: 1	[47] port: 11019	[47] port: 10356	[47] port: 10075	[47] port: 10006		
	[47] attk: 1	[47] attk: 1	[47] port: 10983	[47] attk: 0	[47] attk: 0	[47] attk: 0	[47] attk: 0		
	[48] port: 10468	[48] port: 10901	[47] attk: 0	[48] port: 10097	[48] port: 10118	[48] port: 10662	[48] port: 10996		
	[48] attk: 0	[48] attk: 0	[48] port: 10989	[48] attk: 0	[48] attk: 0	[48] attk: 1	[48] attk: 1		
	[49] port: 10923	[49] port: 10983	[48] attk: 0	[49] port: 10085	[49] port: 10949	[49] port: 10075	[49] port: 10110		
	[49] attk: 0	[49] attk: 0	[49] port: 10736	[49] attk: 0	[49] attk: 0	[49] attk: 0	[49] attk: 1		
	END: (2020, 2, 25, 16, 50, 46, 1, 5f)END: (2020, 2, 25, 21, 5, 59, 1, 56)			END: (2020, 2, 26, 11, 10, 28, 2, 5)END: (2020, 2, 26, 13, 31, 6, 2, 57)END: (2020, 2, 26, 16, 5, 27, 2, 57)END: (2020, 2, 27, 22, 35, 18, 3, 58)					
	Pycom MicroPython 1.18.2.r7 [v1.8]Pycom MicroPython 1.18.2.r7 [v1.8]END: (2020, 2, 25, 21, 10, 51, 1, 56)			Pycom MicroPython 1.19.0.b4 [v1.1]Pycom MicroPython 1.19.0.b4 [v1.					

	Type "help()" for more information.	Type "help()" for more information.	Pycom MicroPython 1.19.0.b4 [v1.9.4-50]	>>>		>>>		>>>									
	>>>	>>>	>>>														
		>>>															

Tests To run						Theoretic Values									
ID	N	p = 1/N	(attacks p period	attk Speed (mse	Period Time (sec	P Not Att	Mean Att (n . p)	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods	Periods WITH At least 1 attack	
50_N0512_T017	512	0.001953125	354	500	177	50.05%	0.69	#DIV/0!	#DIV/0!	100	295.00	4.92	50.05	50	
			02-28 00h50 B		RN	65	100	0.35							
PERIODS	100			94	100										
ATTAK	65			59	62										
NOT ATTAK	35	Not so good	35	failed in 94!!	38										
	02-28 00h50	B					03-01 00h58								
	Found the network		Found the network		Found the network										
	WLAN connection to IMTIIoT succo		WLAN connection to IMTIIoT succo		WLAN connection to IMTIIoT succo		WLAN connection to IMTIIoT succeeded!								
	IP-address: 192.168.1.85		IP-address: 192.168.1.85		IP-address: 192.168.1.85										
	Updating internal clock.		Updating internal clock.		Updating internal clock.										
	N=512, T(seg)=177 , Repeat=100		N=512, T(seg)=177 , Repeat=100		N=512, T(seg)=177 , Repeat=100										
	BEGIN: (2020, 2, 27, 23, 50, 25, 3,		BEGIN: (2020, 2, 28, 7, 42, 46, 4,		BEGIN: (2020, 2, 28, 23, 59, 7, 4, 59)										
	KEY: b'746573747465737474657374746573747465737474657374'		KEY: b'746573747465737474657374746573747465737474657374'		KEY: b'746573747465737474657374746573747465737474657374'										
	MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512										
	[0] port: 10104		[0] port: 10418		[0] port: 10294										
	[0] attk: 1		[0] attk: 0		[0] attk: 0										
	[1] port: 10026		[1] port: 10006		[1] port: 10324										
	[1] attk: 1		[1] attk: 1		[1] attk: 0										
	[2] port: 10028		[2] port: 10032		[2] port: 10321										
	[2] attk: 0		[2] attk: 0		[2] attk: 0										
	[3] port: 10176		[3] port: 10335		[3] port: 10107										
	[3] attk: 1		[3] attk: 0		[3] attk: 1										
	[4] port: 10240		[4] port: 10284		[4] port: 10427										
	[4] attk: 0		[4] attk: 0		[4] attk: 0										
	[5] port: 10353		[5] port: 10010		[5] port: 10106										
	[5] attk: 2		[5] attk: 1		[5] attk: 1										
	[6] port: 10294		[6] port: 10199		[6] port: 10035										
	[6] attk: 1		[6] attk: 1		[6] attk: 1										
	[7] port: 10193		[7] port: 10164		[7] port: 10228										
	[7] attk: 0		[7] attk: 1		[7] attk: 0										
	[8] port: 10269		[8] port: 10457		[8] port: 10355										
	[8] attk: 0		[8] attk: 0		[8] attk: 0										
	[9] port: 10296		[9] port: 10181		[9] port: 10054										
	[9] attk: 1		[9] attk: 1		[9] attk: 1										
	[10] port: 10087		[10] port: 10308		[10] port: 10080										
	[10] attk: 2		[10] attk: 0		[10] attk: 0										
	[11] port: 10422		[11] port: 10086		[11] port: 10356										
	[11] attk: 3		[11] attk: 0		[11] attk: 2										
	[12] port: 10075		[12] port: 10507		[12] port: 10349										
	[12] attk: 0		[12] attk: 0		[12] attk: 0										
	[13] port: 10129		[13] port: 10498		[13] port: 10257										
	[13] attk: 0		[13] attk: 1		[13] attk: 1										
	[14] port: 10197		[14] port: 10278		[14] port: 10488										
	[14] attk: 0		[14] attk: 0		[14] attk: 1										
	[15] port: 10403		[15] port: 10378		[15] port: 10285										
	[15] attk: 1		[15] attk: 0		[15] attk: 0										

[16] port: 10061	[16] port: 10504	[16] port: 10037											
[16] attk: 1	[16] attk: 2	[16] attk: 1											
[17] port: 10187	[17] port: 10432	[17] port: 10338											
[17] attk: 2	[17] attk: 0	[17] attk: 1											
[18] port: 10141	[18] port: 10265	[18] port: 10069											
[18] attk: 0	[18] attk: 0	[18] attk: 0											
[19] port: 10087	[19] port: 10302	[19] port: 10136											
[19] attk: 0	[19] attk: 2	[19] attk: 0											
[20] port: 10366	[20] port: 10232	[20] port: 10318											
[20] attk: 2	[20] attk: 0	[20] attk: 0											
[21] port: 10426	[21] port: 10205	[21] port: 10421											
[21] attk: 1	[21] attk: 1	[21] attk: 0											
[22] port: 10246	[22] port: 10221	[22] port: 10409											
[22] attk: 1	[22] attk: 1	[22] attk: 0											
[23] port: 10147	[23] port: 10267	[23] port: 10075											
[23] attk: 1	[23] attk: 1	[23] attk: 0											
[24] port: 10139	[24] port: 10154	[24] port: 10312											
[24] attk: 0	[24] attk: 0	[24] attk: 2											
[25] port: 10452	[25] port: 10259	[25] port: 10091											
[25] attk: 0	[25] attk: 0	[25] attk: 1											
[26] port: 10177	[26] port: 10203	[26] port: 10485											
[26] attk: 0	[26] attk: 1	[26] attk: 2											
[27] port: 10496	[27] port: 10414	[27] port: 10476											
[27] attk: 0	[27] attk: 2	[27] attk: 0											
[28] port: 10074	[28] port: 10487	[28] port: 10342											
[28] attk: 1	[28] attk: 0	[28] attk: 0											
[29] port: 10204	[29] port: 10174	[29] port: 10492											
[29] attk: 0	[29] attk: 2	[29] attk: 1											
[30] port: 10395	[30] port: 10451	[30] port: 10447											
[30] attk: 1	[30] attk: 0	[30] attk: 0											
[31] port: 10112	[31] port: 10333	[31] port: 10104											
[31] attk: 0	[31] attk: 2	[31] attk: 0											
[32] port: 10254	[32] port: 10263	[32] port: 10346											
[32] attk: 1	[32] attk: 1	[32] attk: 0											
[33] port: 10217	[33] port: 10389	[33] port: 10347											
[33] attk: 1	[33] attk: 1	[33] attk: 1											
[34] port: 10330	[34] port: 10436	[34] port: 10248											
[34] attk: 1	[34] attk: 1	[34] attk: 1											
[35] port: 10467	[35] port: 10484	[35] port: 10225											
[35] attk: 0	[35] attk: 1	[35] attk: 0											
[36] port: 10399	[36] port: 10267	[36] port: 10429											
[36] attk: 0	[36] attk: 3	[36] attk: 0											
[37] port: 10323	[37] port: 10444	[37] port: 10432											
[37] attk: 0	[37] attk: 1	[37] attk: 0											
[38] port: 10173	[38] port: 10343	[38] port: 10151											
[38] attk: 0	[38] attk: 0	[38] attk: 1											
[39] port: 10296	[39] port: 10176	[39] port: 10093											
[39] attk: 1	[39] attk: 1	[39] attk: 0											
[40] port: 10428	[40] port: 10207	[40] port: 10267											
[40] attk: 0	[40] attk: 0	[40] attk: 1											

[41] port: 10425	[41] port: 10409	[41] port: 10454
[41] attk: 1	[41] attk: 1	[41] attk: 1
[42] port: 10456	[42] port: 10475	[42] port: 10255
[42] attk: 0	[42] attk: 0	[42] attk: 1
[43] port: 10171	[43] port: 10419	[43] port: 10374
[43] attk: 0	[43] attk: 0	[43] attk: 1
[44] port: 10242	[44] port: 10299	[44] port: 10414
[44] attk: 2	[44] attk: 0	[44] attk: 1
[45] port: 10382	[45] port: 10120	[45] port: 10127
[45] attk: 0	[45] attk: 0	[45] attk: 1
[46] port: 10463	[46] port: 10056	[46] port: 10190
[46] attk: 1	[46] attk: 1	[46] attk: 0
[47] port: 10113	[47] port: 10277	[47] port: 10404
[47] attk: 0	[47] attk: 0	[47] attk: 0
[48] port: 10491	[48] port: 10198	[48] port: 10076
[48] attk: 0	[48] attk: 0	[48] attk: 0
[49] port: 10291	[49] port: 10479	[49] port: 10457
[49] attk: 1	[49] attk: 0	[49] attk: 2
[50] port: 10182	[50] port: 10300	[50] port: 10242
[50] attk: 1	[50] attk: 0	[50] attk: 0
[51] port: 10385	[51] port: 10249	[51] port: 10034
[51] attk: 0	[51] attk: 0	[51] attk: 0
[52] port: 10233	[52] port: 10386	[52] port: 10008
[52] attk: 1	[52] attk: 1	[52] attk: 1
[53] port: 10268	[53] port: 10462	[53] port: 10094
[53] attk: 0	[53] attk: 2	[53] attk: 1
[54] port: 10239	[54] port: 10116	[54] port: 10280
[54] attk: 0	[54] attk: 1	[54] attk: 0
[55] port: 10512	[55] port: 10444	[55] port: 10223
[55] attk: 0	[55] attk: 0	[55] attk: 2
[56] port: 10218	[56] port: 10269	[56] port: 10247
[56] attk: 2	[56] attk: 0	[56] attk: 1
[57] port: 10138	[57] port: 10507	[57] port: 10259
[57] attk: 2	[57] attk: 2	[57] attk: 0
[58] port: 10500	[58] port: 10332	[58] port: 10337
[58] attk: 0	[58] attk: 2	[58] attk: 0
[59] port: 10302	[59] port: 10303	[59] port: 10170
[59] attk: 1	[59] attk: 0	[59] attk: 1
[60] port: 10038	[60] port: 10470	[60] port: 10104
[60] attk: 1	[60] attk: 1	[60] attk: 1
[61] port: 10271	[61] port: 10077	[61] port: 10312
[61] attk: 0	[61] attk: 0	[61] attk: 0
[62] port: 10071	[62] port: 10419	[62] port: 10286
[62] attk: 0	[62] attk: 1	[62] attk: 0
[63] port: 10007	[63] port: 10381	[63] port: 10405
[63] attk: 0	[63] attk: 0	[63] attk: 0
[64] port: 10279	[64] port: 10302	[64] port: 10087
[64] attk: 0	[64] attk: 1	[64] attk: 0
[65] port: 10474	[65] port: 10324	[65] port: 10464
[65] attk: 1	[65] attk: 0	[65] attk: 0

[66] port: 10472	[66] port: 10375	[66] port: 10098
[66] attk: 2	[66] attk: 1	[66] attk: 1
[67] port: 10493	[67] port: 10124	[67] port: 10185
[67] attk: 1	[67] attk: 1	[67] attk: 0
[68] port: 10019	[68] port: 10362	[68] port: 10375
[68] attk: 1	[68] attk: 2	[68] attk: 1
[69] port: 10316	[69] port: 10156	[69] port: 10511
[69] attk: 0	[69] attk: 0	[69] attk: 1
[70] port: 10201	[70] port: 10322	[70] port: 10511
[70] attk: 0	[70] attk: 1	[70] attk: 0
[71] port: 10368	[71] port: 10228	[71] port: 10273
[71] attk: 0	[71] attk: 1	[71] attk: 1
[72] port: 10040	[72] port: 10221	[72] port: 10110
[72] attk: 1	[72] attk: 0	[72] attk: 0
[73] port: 10134	[73] port: 10005	[73] port: 10410
[73] attk: 1	[73] attk: 0	[73] attk: 1
[74] port: 10128	[74] port: 10035	[74] port: 10474
[74] attk: 1	[74] attk: 0	[74] attk: 0
[75] port: 10204	[75] port: 10163	[75] port: 10067
[75] attk: 3	[75] attk: 1	[75] attk: 1
[76] port: 10439	[76] port: 10323	[76] port: 10200
[76] attk: 2	[76] attk: 1	[76] attk: 0
[77] port: 10448	[77] port: 10116	[77] port: 10348
[77] attk: 0	[77] attk: 1	[77] attk: 2
[78] port: 10157	[78] port: 10257	[78] port: 10411
[78] attk: 0	[78] attk: 0	[78] attk: 1
[79] port: 10113	[79] port: 10492	[79] port: 10419
[79] attk: 1	[79] attk: 0	[79] attk: 0
[80] port: 10227	[80] port: 10364	[80] port: 10075
[80] attk: 1	[80] attk: 0	[80] attk: 1
[81] port: 10480	[81] port: 10394	[81] port: 10495
[81] attk: 0	[81] attk: 1	[81] attk: 2
[82] port: 10204	[82] port: 10367	[82] port: 10453
[82] attk: 0	[82] attk: 2	[82] attk: 0
[83] port: 10111	[83] port: 10203	[83] port: 10444
[83] attk: 0	[83] attk: 0	[83] attk: 0
[84] port: 10126	[84] port: 10334	[84] port: 10268
[84] attk: 1	[84] attk: 1	[84] attk: 0
[85] port: 10212	[85] port: 10354	[85] port: 10199
[85] attk: 0	[85] attk: 2	[85] attk: 0
[86] port: 10420	[86] port: 10284	[86] port: 10153
[86] attk: 0	[86] attk: 1	[86] attk: 1
[87] port: 10438	[87] port: 10319	[87] port: 10327
[87] attk: 0	[87] attk: 0	[87] attk: 3
[88] port: 10119	[88] port: 10372	[88] port: 10431
[88] attk: 1	[88] attk: 0	[88] attk: 0
[89] port: 10325	[89] port: 10151	[89] port: 10356
[89] attk: 1	[89] attk: 0	[89] attk: 0
[90] port: 10382	[90] port: 10097	[90] port: 10043
[90] attk: 2	[90] attk: 0	[90] attk: 2

[91] port: 10166	[91] port: 10450	[91] port: 10303											
[91] attk: 1	[91] attk: 0	[91] attk: 0											
[92] port: 10034	[92] port: 10486	[92] port: 10269											
[92] attk: 1	[92] attk: 0	[92] attk: 0											
[93] port: 10134	[93] port: 10074	[93] port: 10436											
[93] attk: 1	[93] attk: 1	[93] attk: 2											
[94] port: 10491	[94] port: 10512	[94] port: 10459											
[94] attk: 0		[94] attk: 1											
[95] port: 10318		[95] port: 10407											
[95] attk: 0		[95] attk: 1											
[96] port: 10491		[96] port: 10309											
[96] attk: 2		[96] attk: 0											
[97] port: 10418		[97] port: 10506											
[97] attk: 0		[97] attk: 1											
[98] port: 10018		[98] port: 10255											
[98] attk: 0		[98] attk: 1											
[99] port: 10416		[99] port: 10463											
[99] attk: 0		[99] attk: 2											
END: (2020, 2, 28, 4, 45, 46, 4, 59)			END: (2020, 2, 29, 4, 54, 26, 5, 60)										
Pycom MicroPython 1.19.0.b4 [v1.9.4-50f84dd] on 2018-07-13; LoPy4			Pycom MicroPython 1.19.0.b4 [v1.9.4-50f84dd] on 2018-07-13; LoPy4 with ESP32										
>>>			>>>										

Tests To run						Theoretic Values								
ID	N	p = 1/N	(attacks p period	ack Speed (mse=	Period Time (sec	P Not Att	Mean Att (n . p)	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Period:	Periods WITH At least 1 attack
24_N0512_T036	512	0.001953125	730	500	365	24.00%	1.43	#DIV/0!	#DIV/0!	50	304.17	5.07	12.00	38
PERIODS	50		50		50		50		50		50		0	
ATTAK	33		40		28		35		39		37		0	
NOT ATTAK	17		10		22		15		11		13		0	
	24-02 07h45	B	25-02 23h00	A	25-02 23h05	B	26-02 9h30	A	26-02 15h00	A	27-02 00h05	B		
	Found the network		Found the network		Found the network		Found the network		Found the network		Found the network			
	WLAN connection to IMTIlIoT succ		WLAN connection to IMTIlIoT succ		WLAN connection to IMTIlIoT succ		WLAN connection to IMTIlIoT succ		WLAN connection to IMTIlIoT succ		WLAN connection to IMTIlIoT succeeded!			
	IP-address: 192.168.1.85		IP-address: 192.168.1.84		IP-address: 192.168.1.85		IP-address: 192.168.1.84		IP-address: 192.168.1.84		IP-address: 192.168.1.85			
	Updating internal clock.		Updating internal clock.		Updating internal clock.		Updating internal clock.		Updating internal clock.		Updating internal clock.			
	N=512, T(seg)=365 , Repeat=50		N=512, T(seg)=365 , Repeat=50		N=512, T(seg)=365 , Repeat=50		N=512, T(seg)=365 , Repeat=50		N=512, T(seg)=365 , Repeat=50		N=512, T(seg)=365 , Repeat=50			
	BEGIN: (2020, 2, 24, 6, 44, 6, 0, 5)		BEGIN: (2020, 2, 25, 22, 32, 57, 1)		BEGIN: (2020, 2, 25, 22, 41, 57, 1)		BEGIN: (2020, 2, 26, 8, 27, 1, 2, 5)		BEGIN: (2020, 2, 26, 14, 4, 6, 2, 5)		BEGIN: (2020, 2, 26, 22, 15, 12, 2, 57)			
	KEY: b'7465737474657374746573'		KEY: b'7465737474657374746573'		KEY: b'7465737474657374746573'		KEY: b'7465737474657374746573'		KEY: b'7465737474657374746573'		KEY: b'74657374746573747465737474657374'			
	MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512		MTDPort-Range: 10001-10512			
	[0] port: 10213		[0] port: 10250		[0] port: 10255		[0] port: 10158		[0] port: 10302		[0] port: 10157			
	[0] attk: 2		[0] attk: 1		[0] attk: 2		[0] attk: 1		[0] attk: 2		[0] attk: 1			
	[1] port: 10465		[1] port: 10255		[1] port: 10342		[1] port: 10378		[1] port: 10035		[1] port: 10441			
	[1] attk: 1		[1] attk: 1		[1] attk: 1		[1] attk: 0		[1] attk: 1		[1] attk: 0			
	[2] port: 10038		[2] port: 10342		[2] port: 10131		[2] port: 10223		[2] port: 10413		[2] port: 10164			
	[2] attk: 0		[2] attk: 2		[2] attk: 0		[2] attk: 1		[2] attk: 0		[2] attk: 1			
	[3] port: 10399		[3] port: 10131		[3] port: 10316		[3] port: 10031		[3] port: 10237		[3] port: 10172			
	[3] attk: 0		[3] attk: 1		[3] attk: 3		[3] attk: 4		[3] attk: 2		[3] attk: 0			
	[4] port: 10106		[4] port: 10316		[4] port: 10504		[4] port: 10434		[4] port: 10014		[4] port: 10153			
	[4] attk: 1		[4] attk: 1		[4] attk: 2		[4] attk: 0		[4] attk: 1		[4] attk: 2			
	[5] port: 10103		[5] port: 10504		[5] port: 10497		[5] port: 10120		[5] port: 10066		[5] port: 10127			
	[5] attk: 0		[5] attk: 1		[5] attk: 0		[5] attk: 0		[5] attk: 1		[5] attk: 0			
	[6] port: 10183		[6] port: 10497		[6] port: 10094		[6] port: 10006		[6] port: 10118		[6] port: 10368			
	[6] attk: 1		[6] attk: 1		[6] attk: 0		[6] attk: 0		[6] attk: 1		[6] attk: 1			
	[7] port: 10102		[7] port: 10094		[7] port: 10140		[7] port: 10153		[7] port: 10182		[7] port: 10456			
	[7] attk: 0		[7] attk: 2		[7] attk: 1		[7] attk: 2		[7] attk: 2		[7] attk: 1			
	[8] port: 10016		[8] port: 10140		[8] port: 10144		[8] port: 10161		[8] port: 10205		[8] port: 10048			
	[8] attk: 2		[8] attk: 0		[8] attk: 0		[8] attk: 1		[8] attk: 0		[8] attk: 2			
	[9] port: 10510		[9] port: 10144		[9] port: 10079		[9] port: 10239		[9] port: 10407		[9] port: 10186			
	[9] attk: 0		[9] attk: 3		[9] attk: 3		[9] attk: 2		[9] attk: 0		[9] attk: 0			
	[10] port: 10325		[10] port: 10079		[10] port: 10117		[10] port: 10393		[10] port: 10250		[10] port: 10452			
	[10] attk: 2		[10] attk: 0		[10] attk: 1		[10] attk: 0		[10] attk: 0		[10] attk: 2			
	[11] port: 10486		[11] port: 10117		[11] port: 10141		[11] port: 10118		[11] port: 10004		[11] port: 10232			
	[11] attk: 1		[11] attk: 1		[11] attk: 1		[11] attk: 0		[11] attk: 1		[11] attk: 1			
	[12] port: 10014		[12] port: 10141		[12] port: 10421		[12] port: 10114		[12] port: 10114		[12] port: 10314			
	[12] attk: 2		[12] attk: 2		[12] attk: 2		[12] attk: 1		[12] attk: 3		[12] attk: 2			
	[13] port: 10438		[13] port: 10421		[13] port: 10064		[13] port: 10435		[13] port: 10506		[13] port: 10268			
	[13] attk: 1		[13] attk: 0		[13] attk: 1		[13] attk: 1		[13] attk: 2		[13] attk: 2			
	[14] port: 10480		[14] port: 10064		[14] port: 10307		[14] port: 10308		[14] port: 10170		[14] port: 10422			
	[14] attk: 4		[14] attk: 2		[14] attk: 0		[14] attk: 2		[14] attk: 0		[14] attk: 2			
	[15] port: 10184		[15] port: 10307		[15] port: 10262		[15] port: 10022		[15] port: 10065		[15] port: 10021			
	[15] attk: 3		[15] attk: 1		[15] attk: 0		[15] attk: 2		[15] attk: 2		[15] attk: 1			

[16] port: 10335	[16] port: 10262	[16] port: 10205	[16] port: 10189	[16] port: 10458	[16] port: 10095
[16] attk: 1	[16] attk: 1	[16] attk: 0	[16] attk: 1	[16] attk: 2	[16] attk: 1
[17] port: 10353	[17] port: 10205	[17] port: 10314	[17] port: 10065	[17] port: 10389	[17] port: 10258
[17] attk: 0	[17] attk: 1	[17] attk: 3	[17] attk: 1	[17] attk: 3	[17] attk: 3
[18] port: 10512	[18] port: 10314	[18] port: 10324	[18] port: 10168	[18] port: 10408	[18] port: 10503
[18] attk: 0	[18] attk: 3	[18] attk: 1	[18] attk: 4	[18] attk: 2	[18] attk: 3
[19] port: 10492	[19] port: 10324	[19] port: 10217	[19] port: 10410	[19] port: 10409	[19] port: 10362
[19] attk: 3	[19] attk: 1	[19] attk: 0	[19] attk: 3	[19] attk: 2	[19] attk: 0
[20] port: 10381	[20] port: 10217	[20] port: 10320	[20] port: 10312	[20] port: 10104	[20] port: 10171
[20] attk: 0	[20] attk: 1	[20] attk: 4	[20] attk: 1	[20] attk: 2	[20] attk: 1
[21] port: 10484	[21] port: 10320	[21] port: 10123	[21] port: 10214	[21] port: 10193	[21] port: 10164
[21] attk: 3	[21] attk: 1	[21] attk: 1	[21] attk: 2	[21] attk: 1	[21] attk: 2
[22] port: 10450	[22] port: 10123	[22] port: 10451	[22] port: 10051	[22] port: 10426	[22] port: 10180
[22] attk: 0	[22] attk: 0	[22] attk: 4	[22] attk: 2	[22] attk: 1	[22] attk: 2
[23] port: 10260	[23] port: 10451	[23] port: 10012	[23] port: 10429	[23] port: 10263	[23] port: 10262
[23] attk: 1	[23] attk: 2	[23] attk: 3	[23] attk: 2	[23] attk: 3	[23] attk: 0
[24] port: 10252	[24] port: 10012	[24] port: 10114	[24] port: 10232	[24] port: 10410	[24] port: 10215
[24] attk: 1	[24] attk: 0	[24] attk: 1	[24] attk: 3	[24] attk: 2	[24] attk: 2
[25] port: 10103	[25] port: 10114	[25] port: 10377	[25] port: 10194	[25] port: 10269	[25] port: 10074
[25] attk: 0	[25] attk: 1	[25] attk: 2	[25] attk: 0	[25] attk: 1	[25] attk: 1
[26] port: 10351	[26] port: 10377	[26] port: 10045	[26] port: 10301	[26] port: 10353	[26] port: 10051
[26] attk: 2	[26] attk: 1	[26] attk: 2	[26] attk: 0	[26] attk: 0	[26] attk: 0
[27] port: 10006	[27] port: 10045	[27] port: 10450	[27] port: 10089	[27] port: 10255	[27] port: 10487
[27] attk: 1	[27] attk: 3	[27] attk: 0	[27] attk: 1	[27] attk: 1	[27] attk: 3
[28] port: 10149	[28] port: 10450	[28] port: 10029	[28] port: 10454	[28] port: 10256	[28] port: 10317
[28] attk: 1	[28] attk: 0	[28] attk: 0	[28] attk: 1	[28] attk: 1	[28] attk: 5
[29] port: 10413	[29] port: 10029	[29] port: 10404	[29] port: 10155	[29] port: 10213	[29] port: 10485
[29] attk: 1	[29] attk: 3	[29] attk: 3	[29] attk: 0	[29] attk: 2	[29] attk: 1
[30] port: 10027	[30] port: 10404	[30] port: 10270	[30] port: 10020	[30] port: 10133	[30] port: 10224
[30] attk: 3	[30] attk: 0	[30] attk: 0	[30] attk: 1	[30] attk: 0	[30] attk: 1
[31] port: 10335	[31] port: 10270	[31] port: 10035	[31] port: 10060	[31] port: 10176	[31] port: 10436
[31] attk: 0	[31] attk: 1	[31] attk: 0	[31] attk: 1	[31] attk: 1	[31] attk: 4
[32] port: 10115	[32] port: 10035	[32] port: 10423	[32] port: 10347	[32] port: 10258	[32] port: 10464
[32] attk: 1	[32] attk: 4	[32] attk: 0	[32] attk: 2	[32] attk: 3	[32] attk: 0
[33] port: 10026	[33] port: 10423	[33] port: 10007	[33] port: 10130	[33] port: 10490	[33] port: 10455
[33] attk: 0	[33] attk: 3	[33] attk: 5	[33] attk: 0	[33] attk: 0	[33] attk: 2
[34] port: 10039	[34] port: 10007	[34] port: 10418	[34] port: 10302	[34] port: 10463	[34] port: 10060
[34] attk: 0	[34] attk: 2	[34] attk: 3	[34] attk: 2	[34] attk: 0	[34] attk: 0
[35] port: 10125	[35] port: 10418	[35] port: 10156	[35] port: 10037	[35] port: 10063	[35] port: 10216
[35] attk: 2	[35] attk: 0	[35] attk: 1	[35] attk: 0	[35] attk: 1	[35] attk: 1
[36] port: 10374	[36] port: 10156	[36] port: 10030	[36] port: 10056	[36] port: 10386	[36] port: 10352
[36] attk: 1	[36] attk: 2	[36] attk: 3	[36] attk: 1	[36] attk: 3	[36] attk: 1
[37] port: 10025	[37] port: 10030	[37] port: 10503	[37] port: 10263	[37] port: 10500	[37] port: 10437
[37] attk: 0	[37] attk: 1	[37] attk: 1	[37] attk: 2	[37] attk: 3	[37] attk: 0
[38] port: 10228	[38] port: 10503	[38] port: 10125	[38] port: 10022	[38] port: 10138	[38] port: 10153
[38] attk: 4	[38] attk: 0	[38] attk: 0	[38] attk: 3	[38] attk: 1	[38] attk: 2
[39] port: 10024	[39] port: 10125	[39] port: 10245	[39] port: 10493	[39] port: 10484	[39] port: 10192
[39] attk: 2	[39] attk: 1	[39] attk: 1	[39] attk: 1	[39] attk: 2	[39] attk: 0
[40] port: 10375	[40] port: 10245	[40] port: 10309	[40] port: 10121	[40] port: 10438	[40] port: 10502
[40] attk: 2	[40] attk: 3	[40] attk: 0	[40] attk: 4	[40] attk: 1	[40] attk: 3

[41] port: 10350	[41] port: 10309	[41] port: 10091	[41] port: 10389	[41] port: 10172	[41] port: 10491
[41] attk: 2	[41] attk: 0	[41] attk: 2	[41] attk: 1	[41] attk: 1	[41] attk: 2
[42] port: 10177	[42] port: 10091	[42] port: 10262	[42] port: 10199	[42] port: 10106	[42] port: 10197
[42] attk: 0	[42] attk: 1	[42] attk: 1	[42] attk: 0	[42] attk: 1	[42] attk: 1
[43] port: 10210	[43] port: 10262	[43] port: 10455	[43] port: 10057	[43] port: 10439	[43] port: 10265
[43] attk: 2	[43] attk: 1	[43] attk: 0	[43] attk: 0	[43] attk: 4	[43] attk: 4
[44] port: 10061	[44] port: 10455	[44] port: 10377	[44] port: 10229	[44] port: 10066	[44] port: 10365
[44] attk: 1	[44] attk: 1	[44] attk: 0	[44] attk: 0	[44] attk: 1	[44] attk: 1
[45] port: 10460	[45] port: 10377	[45] port: 10259	[45] port: 10380	[45] port: 10499	[45] port: 10357
[45] attk: 0	[45] attk: 1	[45] attk: 0	[45] attk: 0	[45] attk: 3	[45] attk: 0
[46] port: 10031	[46] port: 10259	[46] port: 10278	[46] port: 10417	[46] port: 10361	[46] port: 10102
[46] attk: 2	[46] attk: 1	[46] attk: 0	[46] attk: 2	[46] attk: 3	[46] attk: 1
[47] port: 10005	[47] port: 10278	[47] port: 10414	[47] port: 10148	[47] port: 10204	[47] port: 10505
[47] attk: 1	[47] attk: 1	[47] attk: 0	[47] attk: 2	[47] attk: 0	[47] attk: 1
[48] port: 10183	[48] port: 10414	[48] port: 10130	[48] port: 10195	[48] port: 10170	[48] port: 10163
[48] attk: 1	[48] attk: 1	[48] attk: 0	[48] attk: 2	[48] attk: 0	[48] attk: 0
[49] port: 10193	[49] port: 10130	[49] port: 10034	[49] port: 10190	[49] port: 10389	[49] port: 10283
[49] attk: 0	[49] attk: 3	[49] attk: 0	[49] attk: 2	[49] attk: 4	[49] attk: 2
END: (2020, 2, 24, 11, 48, 25, 0, 5) END: (2020, 2, 26, 3, 37, 17, 2, 57) END: (2020, 2, 26, 3, 46, 17, 2, 57) END: (2020, 2, 26, 13, 31, 21, 2, 5) END: (2020, 2, 26, 19, 8, 26, 2, 57) END: (2020, 2, 27, 3, 19, 33, 3, 58)					
Pycom MicroPython 1.18.2.r7 [v1.8 Pycom MicroPython 1.19.0.b4 [v1. Pycom MicroPython 1.18.2.r7 [v1.8 Pycom MicroPython 1.18.2.r7 [v1.8 Pycom MicroPython 1.19.0.b4 [v1.9.4-50f84dd] on 2018-07-13; LoPy4 with ESP32					
Type "help()" for more information. >>>					
>>>					

[illegible]

	[16] port: 10111	[16] port: 10170	[16] port: 10411	[16] port: 10161									
	[16] attk: 1	[16] attk: 0	[16] attk: 2	[16] attk: 1									
	[17] port: 10136	[17] port: 10401	[17] port: 10489	[17] port: 10083									
	[17] attk: 3	[17] attk: 2	[17] attk: 3	[17] attk: 3									
	[18] port: 10413	[18] port: 10508	[18] port: 10368	[18] port: 10421									
	[18] attk: 0	[18] attk: 2	[18] attk: 3	[18] attk: 1									
	[19] port: 10287	[19] port: 10101	[19] port: 10018	[19] port: 10311									
	[19] attk: 1	[19] attk: 3	[19] attk: 1	[19] attk: 2									
	[20] port: 10125	[20] port: 10047	[20] port: 10014	[20] port: 10206									
	[20] attk: 2	[20] attk: 1	[20] attk: 2	[20] attk: 5									
	[21] port: 10342	[21] port: 10336	[21] port: 10325	[21] port: 10375									
	[21] attk: 1	[21] attk: 2	Guru Meditation Error: Core 0 par		[21] attk: 1								
	[22] port: 10260	[22] port: 10495	. Exception was unhandled.		[22] port: 10255								
	[22] attk: 2	[22] attk: 4	Register dump:		[22] attk: 5								
	[23] port: 10471	[23] port: 10392	PC : 0x4009b85c PS : 0x00		[23] port: 10344								
	[23] attk: 5	[23] attk: 1	A2 : 0x00000000 A3 : 0x05		[23] attk: 3								
	[24] port: 10192	[24] port: 10052	A6 : 0x000000fe A7 : 0x00		[24] port: 10324								
	[24] attk: 0	[24] attk: 4	A10 : 0x00000003 A11 : 0x0		[24] attk: 3								
	[25] port: 10137	[25] port: 10255	A14 : 0x00000019 A15 : 0x0		[25] port: 10055								
	[25] attk: 5	[25] attk: 3	EXCVADDR: 0x00000000 LBEG		[25] attk: 3								
	[26] port: 10103	[26] port: 10163			[26] port: 10442								
	[26] attk: 2	[26] attk: 3	Backtrace: 0x4009b85c:0x3ffbd74		[26] attk: 5								
	[27] port: 10257	[27] port: 10134			[27] port: 10011								
	[27] attk: 2	[27] attk: 3	#ERROR!		[27] attk: 2								
	[28] port: 10419	[28] port: 10383	2DwAABAAABsAQAA		[28] port: 10025								
	[28] attk: 1	[28] attk: 2			[28] attk: 5								
	[29] port: 10139	[29] port: 10479			[29] port: 10012								
	[29] attk: 2	[29] attk: 3			[29] attk: 2								
	[30] port: 10372	[30] port: 10477			[30] port: 10117								
	[30] attk: 1	[30] attk: 3			[30] attk: 4								
	[31] port: 10099	[31] port: 10046			[31] port: 10428								
	[31] attk: 1	[31] attk: 0			[31] attk: 2								
	[32] port: 10369	[32] port: 10240			[32] port: 10471								
	[32] attk: 1	[32] attk: 2			[32] attk: 1								
	[33] port: 10485	[33] port: 10276			[33] port: 10302								
	[33] attk: 3	[33] attk: 2			[33] attk: 3								
	[34] port: 10317	[34] port: 10075			[34] port: 10103								
	[34] attk: 3	[34] attk: 3			[34] attk: 2								
	[35] port: 10212	[35] port: 10122			[35] port: 10456								
	[35] attk: 3	[35] attk: 4			[35] attk: 3								
	[36] port: 10196	[36] port: 10034			[36] port: 10168								
	[36] attk: 2	[36] attk: 1			[36] attk: 3								
	[37] port: 10487	[37] port: 10372			[37] port: 10149								
	[37] attk: 3	[37] attk: 3			[37] attk: 0								
	[38] port: 10492	[38] port: 10059			[38] port: 10315								
	[38] attk: 2	[38] attk: 3			[38] attk: 3								
	[39] port: 10398	[39] port: 10312			[39] port: 10020								
	[39] attk: 4	[39] attk: 2			[39] attk: 1								
	[40] port: 10068	[40] port: 10127			[40] port: 10183								
	[40] attk: 3	[40] attk: 1			[40] attk: 2								
	[41] port: 10273	[41] port: 10092			[41] port: 10029								

		[41] attk: 4			[41] attk: 2												
		[42] port: 10232			[42] port: 10243				[42] port: 10124								
		[42] attk: 0			[42] attk: 3				[42] attk: 2								
		[43] port: 10395			[43] port: 10271				[43] port: 10110								
		[43] attk: 1			[43] attk: 2				[43] attk: 6								
		[44] port: 10455			[44] port: 10365				[44] port: 10003								
		[44] attk: 0			[44] attk: 1				[44] attk: 4								
		[45] port: 10204			[45] port: 10290				[45] port: 10463								
		[45] attk: 2			[45] attk: 1				[45] attk: 3								
		[46] port: 10072			[46] port: 10259				[46] port: 10020								
		[46] attk: 2			[46] attk: 0				[46] attk: 1								
		[47] port: 10217			[47] port: 10448				[47] port: 10220								
		[47] attk: 2			[47] attk: 2				[47] attk: 1								
		[48] port: 10464			[48] port: 10442				[48] port: 10264								
		[48] attk: 1			[48] attk: 2				[48] attk: 1								
		[49] port: 10229			[49] port: 10163				[49] port: 10181								
		[49] attk: 2			[49] attk: 2				[49] attk: 1								
		END: (2020, 2, 23, 20, 58, 3, 6, 54)								END: (2020, 2, 27, 9, 48, 16, 3, 58)							
		Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32															
		Type "help()" for more information.															
		>>>															
		>>>															



Single Periods (for time consuming experiments)

Tests To run

N

p = 1/N

n (attacks p period)

track Speed (msec)

period Time (s)

P Not Att

Mean Att (n . p)

n

Not Attack

Not Att STD

10_N2048_T2357

2048

0.00048828125

2922

500

1461

24.00%

1.43

2922

0.08

</

02-21 23h00	B	1	1	1					[2] port: 10289				[1] attk: 1		[1] attk: 2		[1] attk: 3		[1] attk: 3						
02-21 23h00	B	1	1	3					[2] attk: 0				[2] port: 11024		[2] port: 10317		[2] port: 10732		[2] port: 11492						
02-21 23h00	B	1	1	2					[3] port: 11821				[2] attk: 4		[2] attk: 1		[2] attk: 1		[2] attk: 1						
02-21 23h00	B	1	1	1					[3] attk: 1				[3] port: 10025		[3] port: 10925		[3] port: 10756		[3] port: 11254						
02-21 23h00	B	1	0	0					[4] port: 12041				[3] attk: 1		[3] attk: 3		[3] attk: 4		[3] attk: 1						
02-21 23h00	B	1	0	0					[4] attk: 1				[4] port: 10929		[4] port: 11014		[4] port: 10278		[4] port: 10339						
02-21 23h00	B	1	1	2					[5] port: 10688				[4] attk: 1		[4] attk: 0		[4] attk: 5		[4] attk: 2						
02-21 23h00	B	1	0	0					[5] attk: 0				[5] port: 11998		[5] port: 10242		[5] port: 10487		[5] port: 10027						
02-21 23h00	B	1	1	2					[6] port: 11137				[5] attk: 0		[5] attk: 0		[5] attk: 1		[5] attk: 3						
02-21 23h00	B	1	1	1					[6] attk: 3				[6] port: 11561		[6] port: 11706		[6] port: 10399		[6] port: 11524						
02-21 23h00	B	1	1	3					[7] port: 11026				[6] attk: 2		[6] attk: 2		[6] attk: 3		[6] attk: 1						
02-21 23h00	B	1	1	2					[7] attk: 0				[7] port: 11209		[7] port: 10657		[7] port: 10571		[7] port: 11913						
02-21 23h00	B	1	1	2					[8] port: 10381				[7] attk: 3		[7] attk: 2		[7] attk: 0		[7] attk: 2						
02-21 23h00	B	1	0	0					[8] attk: 4				[8] port: 10127		[8] port: 10546		[8] port: 11149		[8] port: 11855						
02-22 11h00	B	1	1	3					[9] port: 10936				[8] attk: 2		[8] attk: 3		[8] attk: 0		[8] attk: 0						
02-22 11h00	B	1	1	1					[9] attk: 0				[9] port: 10296		[9] port: 10329		[9] port: 11208		[9] port: 10152						
02-22 11h00	B	1	1	4					[10] port: 10698				[9] attk: 1		[9] attk: 1		[9] attk: 2		[9] attk: 3						
02-22 11h00	B	1	1	1					[10] attk: 1				[10] port: 11674		[10] port: 11524		[10] port: 10508		[10] port: 11652						
02-22 11h00	B	1	1	1					[11] port: 11031				[10] attk: 0		[10] attk: 2		[10] attk: 0		[10] attk: 0						
02-22 11h00	B	1	0	0					[11] attk: 1				[11] port: 10206		[11] port: 10667		[11] port: 10786		[11] port: 11173						
02-22 11h00	B	1	1	2					[12] port: 11231				[11] attk: 1		[11] attk: 1		[11] attk: 0		[11] attk: 1						
02-22 11h00	B	1	1	3					[12] attk: 3				[12] port: 11419		[12] port: 11309		[12] port: 10469		[12] port: 11021						
02-22 11h00	B	1	1	2					[13] port: 10708				[12] attk: 0		[12] attk: 1		[12] attk: 1		[12] attk: 0						
02-22 11h00	B	1	1	1					[13] attk: 2				[13] port: 11043		[13] port: 10034		[13] port: 10172		[13] port: 10271						
02-22 11h00	B	1	0	0					[14] port: 11071				[13] attk: 0		[13] attk: 0		[13] attk: 0		[13] attk: 0						
02-22 11h00	B	1	1	1					[14] attk: 1				[14] port: 10998		[14] port: 11584		[14] port: 11707		[14] port: 10494						
02-22 11h00	B	1	0	0					[15] port: 11963				[14] attk: 3		[14] attk: 0		[14] attk: 2		[14] attk: 1						
02-22 11h00	B	1	0	0					[15] attk: 0				[15] port: 10726		[15] port: 10086		[15] port: 11800		[15] port: 11103						
02-22 11h00	B	1	1	3					[16] port: 11039				[15] attk: 0		[15] attk: 2		[15] attk: 3		[15] attk: 4						
02-22 11h00	B	1	0	0					[16] attk: 0				[16] port: 10346		[16] port: 10295		[16] port: 10344		[16] port: 10080						
02-22 11h00	B	1	1	2					[17] port: 10921				[16] attk: 2		[16] attk: 0		[16] attk: 3		[16] attk: 1						
02-22 11h00	B	1	1	2					[17] attk: 2				[17] port: 11850		[17] port: 11333		[17] port: 11602		[17] port: 11168						
02-22 11h00	B	1	1	2					[18] port: 11237				[17] attk: 2		[17] attk: 1		[17] attk: 2		[17] attk: 1						
02-22 11h00	B	1	1	1					[18] attk: 0				[18] port: 10931		[18] port: 10935		[18] port: 10157		[18] port: 11037						
02-22 11h00	B	1	1	3					[19] port: 11650				[18] attk: 2		[18] attk: 2		[18] attk: 2		[18] attk: 2						
02-22 11h00	B	1	1	1					[19] attk: 2				[19] port: 10082		[19] port: 10766		[19] port: 12024		[19] port: 11812						
02-22 11h00	B	1	1	1					[20] port: 11221				[19] attk: 1		[19] attk: 4		[19] attk: 0		[19] attk: 3						
02-22 11h00	B	1	0	0					[20] attk: 1				[20] port: 11752		[20] port: 10693		[20] port: 11389		[20] port: 10486						
02-22 11h00	B	1	1	3					[21] port: 11447				[20] attk: 3		[20] attk: 1		[20] attk: 2		[20] attk: 2						
									[21] attk: 3				[21] port: 11177		[21] port: 11215		[21] port: 10527		[21] port: 10917						
									[22] port: 11360				[21] attk: 1		[21] attk: 0		[21] attk: 3		[21] attk: 0						
									[22] attk: 2				[22] port: 10347		[22] port: 11661		[22] port: 11403		[22] port: 11265						
									[23] port: 11762				[22] attk: 1		[22] attk: 2		[22] attk: 3		[22] attk: 1						
									[23] attk: 2				[23] port: 11302		[23] port: 10111		[23] port: 10623		[23] port: 10144						
									[24] port: 10949				[23] attk: 0		[23] attk: 4		[23] attk: 0		[23] attk: 1						
									[24] attk: 0				[24] port: 11009		[24] port: 11284		[24] port: 11276		[24] port: 10925						
													[24] attk: 3		[24] attk: 0		[24] attk: 2		[24] attk: 6						
										END: (2020, 2, 22, 20, 8, 42, 5, 53) END: (2020, 2, 27, 23, 36, 45, 3, 5) END: (2020, 2, 28, 9, 53, 9, 4, 59) END: (2020, 2, 29, 5, 12, 49, 5, 60)															
										Pycom MicroPython 1.18.2.r7 [v1.8] Pycom MicroPython 1.18.2.r7 [v1.8] Pycom MicroPython 1.18.2.r7 [v1.8] Pycom MicroPython 1.18.2.r7 [v1.8] Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32															
										Type "help(i)" for more information. Type "help(i)" for more information. Type "help(i)" for more information. Type "help(i)" for more information.															
										>>>															

Single Periods (for time consuming experiments)										Theoretic Values																	
Tests To run	N	p = 1/N	n (attacks p perick Speed (ms		Period Time (se	P Not Att	Mean Att (n . p)	n	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods	Periods WITH At least 1 attack												
10_N2048_T2357	2048	0.00048828125	4714	500	2357	10.00%	2.30	4714	0.17		20	785.67	13.09	2.00	rare												
											1	39.28	0.65	0.10													
											2	78.57	1.31	0.20													
											3	117.85	1.96	0.30													
											4	157.13	2.62	0.40													
											5	196.42	3.27	0.50													
											6	235.70	3.93	0.60													
											7	274.98	4.58	0.70													
											8	314.27	5.24	0.80													
											9	353.55	5.89	0.90													
											10	392.83	6.55	1.00													
Time	Py	PERIOD(S)	Succesful Attacks (1 Max		Total Attacks	Cumulative F	Cumulativ Att	Notes																			
02-19 19h00	A	1	1	1	2	1	1																				
02-19 21h00	A	1	1	1	2	2	2																				
02-19 21h00	A	1	0	0	3	2	2																				
02-19 22h00	A	1	1	1	2	4	3																				
02-19 22h00	A	1	1	1	3	5	4																				
02-19 23h00	A	1	1	1	2	6	5																				
02-19 23h00	A	1	1	1	1	7	6																				
02-20 8h00	A	1	1	1	6	8	7																				
02-20 8h00	A	1	1	1	2	9	8																				
02-20 8h00	A	1	0	0	10	8	8																				
02-20 8h00	A	1	1	1	2	11	9																				
02-20 8h00	A	1	1	1	1	12	10																				
02-21 20h15	B	1	1	1	4	13	11	[0] port: 10746																			
02-21 20h15	B	1	1	1	1	14	12	[1] port: 10214																			
02-21 20h15	B	1	1	1	4	15	13	[2] port: 10653																			
02-21 19h45	A	1	1	1	2	16	14	[0] port: 10746																			
02-21 19h45	A	1	1	1	1	17	15	[1] port: 10214																			
02-21 19h45	A	1	1	1	1	18	16	[2] port: 10653																			
02-21 19h45	A	1	1	1	2	19	17	[3] port: 11956																			
02-21 19h45	A	1	1	1	1	20	18	[4] port: 11599																			
02-20 23h00	A	1	0	0																							
02-20 23h00	A	1	1	1	3																						
02-20 23h00	A	1	1	1	1																						
02-20 23h00	A	1	1	1	5																						
02-20 23h00	A	1	0	0																							
02-20 23h00	A	1	1	1	1																						
02-20 23h00	A	1	1	1	4																						
02-20 23h00	A	1	1	1	4																						
02-20 23h00	A	1	1	1	1																						
02-20 23h00	A	1	1	1	4																						
02-20 23h00	A	1	1	1	1																						
02-20 23h05	B	1	1	1	4			[0] port: 10375																			
02-20 23h05	B	1	1	1	3			[1] port: 11693																			
02-20 23h05	B	1	1	1	2			[2] port: 10444																			
02-20 23h05	B	1	1	1	3			[3] port: 11011																			
02-20 23h05	B	1	1	1	3			[4] port: 12048																			
02-20 23h05	B	1	1	1	1			[5] port: 11983																			
02-20 23h05	B	1	1	1	2			[6] port: 10234																			
02-20 23h05	B	1	1	1	4			[7] port: 11360																			
02-20 23h05	B	1	0	0				[8] port: 11764																			
02-20 23h05	B	1	1	1	2			[9] port: 12001																			
02-21 07h00	A	1	1	1	2			[0] port: 10496																			
02-21 07h00	A	1	1	1	2			[1] port: 11029																			
02-21 07h00	A	1	1	1	1			[2] port: 10395																			
02-21 07h00	A	1	1	1	1			[3] port: 10503																			
02-21 07h00	A	1	1	1	3			[4] port: 11302																			
02-21 07h00	A	1	1	1	1			[5] port: 10087																			
02-21 07h00	A	1	1	1	1			[6] port: 10564																			
02-21 07h00	A	1	1	1	2			[7] port: 11634																			
02-21 07h00	A	1	1	1	4			[8] port: 10182																			
02-21 07h00	A	1	0	0				[9] port: 11054																			
02-22 08h00	A	1	1	1	4			[0] port: 11069																			
02-22 08h00	A	1	1	1	1			[1] port: 10704																			
02-22 08h00	A	1	1	1	4			[2] port: 11597																			
02-22 08h00	A	1	1	1	2			[3] port: 11467																			
02-22 08h00	A	1	1	1	3			[4] port: 10904																			
02-22 08h00	A	1	1	1	3			[5] port: 11509																			
02-22 08h00	A	1	1	1	2			[6] port: 11650																			
02-22 08h00	A	1	1	1	2			[7] port: 10449																			
02-22 08h00	A	1	1	1	2			[8] port: 10615																			

binomial	Theoretical	Empirical
Number of Attack	0 0.100026518	0.1125
	1 0.2303492945	0.225
	2 0.2651773877	0.3125
	3 0.2034710716	0.1625
	4 0.1170679309	0.15
	5 0.05387298042	0.0125
	6 0.02065525686	0.0125
	7 0.006786583105	0.0125
	8 0.001950686778	0
	9 0.000498286488	0

Theoretical and Empirical

Number of Attacks	Theoretical	Empirical
0	0.1125	0.1125
1	0.225	0.225
2	0.3125	0.3125
3	0.1625	0.1625
4	0.15	0.15
5	0.0125	0.0125
6	0.0125	0.0125
7	0.0125	0.0125
8	0	0

02-21 7h00 A N=2048, T(seg)=2357 , Repeat=3
Found the network
WLAN connection to IMTIIoT succee KEY: b'74657374746573747465737474657374'
IP-address: 192.168.1.84 MTDPort-Range: 10001-12048
Updating internal clock. [0] port: 10746
N=2048, T(seg)=2357 , Repeat=10 [0] attk: 4
BEGIN: (2020, 2, 21, 6, 14, 53, 4, 52) [1] port: 10214
KEY: b'746573747465737474657374 [1] attk: 1
MTDPort-Range: 10001-12048 [2] port: 10653
[0] port: 10496 [2] attk: 4
[0] attk: 2
[1] port: 11029
[1] attk: 2
[2] port: 10395
[2] attk: 1
[3] port: 10503
[3] attk: 1
[4] port: 11302
[4] attk: 3
[5] port: 10087
[5] attk: 1
[6] port: 10564
[6] attk: 1
[7] port: 11634
[7] attk: 2
[8] port: 10182
[8] attk: 4
[9] port: 11054
[9] attk: 0
END: (2020, 2, 21, 12, 47, 45, 4, 52)
Pycom MicroPython 1.18.2:r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32

A 02-21 19h45
Updating internal clock.
N=2048, T(seg)=2357 , Repeat=5
BEGIN: (2020, 2, 21, 18, 45, 44, 4, 52)
KEY: b'74657374746573747465737474657374'
MTDPort-Range: 10001-12048
[0] port: 10746
[0] attk: 2
[1] port: 10214
[1] attk: 1
[2] port: 10653
[2] attk: 1
[3] port: 11956
[3] attk: 2
[4] port: 11599
[4] attk: 1
END: (2020, 2, 21, 22, 2, 11, 4, 52)

02-21 7h00
WLAN connection to IMTIIoT succeeded!
IP-address: 192.168.1.84
Updating internal clock.
N=2048, T(seg)=2357 , Repeat=10
BEGIN: (2020, 2, 21, 6, 14, 53, 4, 52)
KEY: b'74657374746573747465737474657374'
MTDPort-Range: 10001-12048
[0] port: 10496
[0] attk: 2
[1] port: 11029
[1] attk: 2
[2] port: 10395
[2] attk: 1
[3] port: 10503
[3] attk: 1
[4] port: 11302
[4] attk: 3
[5] port: 10087
[5] attk: 1
[6] port: 10564
[6] attk: 1
[7] port: 11634
[7] attk: 2
[8] port: 10182
[8] attk: 4
[9] port: 11054
[9] attk: 0
[9] attk: 0

02-22 08h00	A	1	1	4	[9] port: 10258	[9] attk: 0	02-22 08h00	A	02-22 19h00	A	02-23 08h50	Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32	END: (2020, 2, 21, 12, 47, 45, 4, 52)
02-21 23h00	A	1	1	3	[0] port: 10768								
02-21 23h00	A	1	1	2	[1] port: 10939	02-21-23h00	KittyNet-Orange						
02-21 23h00	A	1	0	0	[2] port: 11848	N=2048, T(seg)=2357 , Repeat=12	Found the network						
02-21 23h00	A	1	1	3	[3] port: 10739	BEGIN: (2020, 2, 21, 22, 9, 42, 4, 52)	WLAN connection to IMTIIoT succeeded!						
02-21 23h00	A	1	1	2	[4] port: 11471	KEY: b'746573747465737474657374	IP-address: 192.168.1.84						
02-21 23h00	A	1	1	3	[5] port: 10096	MTDPort-Range: 10001-12048	Updating internal clock.						
02-21 23h00	A	1	1	3	[6] port: 10089	[0] port: 10768	N=2048, T(seg)=2357 , Repeat=10						
02-21 23h00	A	1	0	0	[7] port: 11082	[0] attk: 3	BEGIN: (2020, 2, 22, 6, 59, 19, 5, 53)						
02-21 23h00	A	1	1	7	[8] port: 10023	[1] port: 10939	KEY: b'74657374746573747465737474657374'						
02-21 23h00	A	1	1	2	[9] port: 11322	[1] attk: 2	MTDPort-Range: 10001-12048						
02-21 23h00	A	1	1	1	[10] port: 12000	[2] port: 11848	[0] port: 11069						
02-21 23h00	A	1	1	2	[11] port: 10180	[2] attk: 0	[0] attk: 4						
02-22 19h00	A	1	1	1	[0] port: 10200	[3] port: 10739	[1] port: 10704						
02-22 19h00	A	1	1	2	[1] port: 10199	[3] attk: 3	[1] attk: 1						
02-22 19h00	A	1	1	2	[2] port: 10996	[4] port: 11471	[2] port: 11597						
02-22 19h00	A	1	1	2	[3] port: 10430	[3] attk: 2	[2] attk: 4						
02-22 19h00	A	1	0	0	[4] port: 10117	[5] port: 10096	[3] port: 11467						
02-22 19h00	A	1	1	1	[5] port: 11068	[5] attk: 3	[3] attk: 2						
02-23 08h50	B	1	1	3	[0] port: 11469	[6] port: 10089	[4] port: 10904						
02-23 08h50	B	1	1	4	[1] port: 11517	[6] attk: 3	[4] attk: 3						
						[7] port: 11082	[5] port: 11509						
						[7] attk: 0	[5] attk: 3						
						[8] port: 10023	[6] port: 11650						
						[8] attk: 7	[6] attk: 2						
						[9] port: 11322	[7] port: 10449						
						[9] attk: 2	[7] attk: 2						
						[10] port: 12000	[8] port: 10615						
						[10] attk: 1	[8] attk: 2						
						[11] port: 10180	[9] port: 10258						
						[11] attk: 2	[9] attk: 4						
						END: (2020, 2, 22, 6, 1, 9, 5, 53)	END: (2020, 2, 22, 13, 32, 11, 5, 53)						
						Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32							
						Type "help()" for more information.							
						>>>							

Tests To run						Theoretic Values								
ID	N	p = 1/N	(attacks p period)	tack Speed (mse)	Period Time (sec)	P Not Att	Mean Att (n . p)	n	Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods Without Attack (NA)
24_N1024	1024	0.0009765625	1460	500	730	24.02%	1.43	1460	#DIV/0!	#DIV/0!	25	304.17	5.07	6.00
	PERIODS	25		25		25		25						
	ATTAK	19		19		22		17						
	NOT ATTAK	6		6		3		8						
	02-24 07h15	A		02-24 13h42	A	02-25 00h05	A	02-25 08h41	A					
	Found the network			Found the network		Found the network		Found the network						
	WLAN connection to IMTIIoT succeeded			WLAN connection to IMTIIoT succeeded		WLAN connection to IMTIIoT succeeded		WLAN connection to IMTIIoT succeeded						
	IP-address: 192.168.1.84			IP-address: 192.168.1.84		IP-address: 192.168.1.84		IP-address: 192.168.1.84						
	Updating internal clock.			Updating internal clock.		Updating internal clock.		Updating internal clock.						
	N=1024, T(seg)=730 , Repeat=25			N=1024, T(seg)=730 , Repeat=25		N=1024, T(seg)=730 , Repeat=25		N=1024, T(seg)=730 , Repeat=25						
	BEGIN: (2020, 2, 24, 6, 18, 26, 0, 5)			BEGIN: (2020, 2, 24, 12, 42, 32, 0, 5)		BEGIN: (2020, 2, 24, 21, 3, 11, 0, 5)		BEGIN: (2020, 2, 25, 7, 42, 56, 1, 56)						
	KEY: b'7465737474657374746573747465737474657374746573747465737474657374'			KEY: b'7465737474657374746573747465737474657374746573747465737474657374'		KEY: b'7465737474657374746573747465737474657374746573747465737474657374'		KEY: b'7465737474657374746573747465737474657374746573747465737474657374'						
	MTDPort-Range: 10001-11024			MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024		MTDPort-Range: 10001-11024						
	[0] port: 10217			[0] port: 10368		[0] port: 10705		[0] port: 10931						
	[0] attk: 1			[0] attk: 2		[0] attk: 4		[0] attk: 3						
	[1] port: 10382			[1] port: 10915		[1] port: 10547		[1] port: 10488						
	[1] attk: 0			[1] attk: 0		[1] attk: 2		[1] attk: 0						
	[2] port: 10032			[2] port: 10447		[2] port: 10867		[2] port: 10362						
	[2] attk: 0			[2] attk: 1		[2] attk: 2		[2] attk: 4						
	[3] port: 10465			[3] port: 10051		[3] port: 10915		[3] port: 10395						
	[3] attk: 0			[3] attk: 2		[3] attk: 2		[3] attk: 1						
	[4] port: 10399			[4] port: 10542		[4] port: 11006		[4] port: 10947						
	[4] attk: 2			[4] attk: 1		[4] attk: 0		[4] attk: 0						
	[5] port: 10103			[5] port: 10137		[5] port: 10019		[5] port: 10464						
	[5] attk: 1			[5] attk: 5		[5] attk: 1		[5] attk: 0						
	[6] port: 10102			[6] port: 10822		[6] port: 10062		[6] port: 10245						
	[6] attk: 0			[6] attk: 1		[6] attk: 2		[6] attk: 0						
	[7] port: 10510			[7] port: 10014		[7] port: 10417		[7] port: 10847						
	[7] attk: 2			[7] attk: 0		[7] attk: 0		[7] attk: 2						
	[8] port: 10486			[8] port: 10788		[8] port: 10338		[8] port: 10380						
	[8] attk: 1			[8] attk: 1		[8] attk: 3		[8] attk: 2						
	[9] port: 10438			[9] port: 10230		[9] port: 10261		[9] port: 10241						
	[9] attk: 2			[9] attk: 1		[9] attk: 2		[9] attk: 1						
	[10] port: 10184			[10] port: 10746		[10] port: 10029		[10] port: 10513						
	[10] attk: 2			[10] attk: 1		[10] attk: 2		[10] attk: 1						
	[11] port: 10865			[11] port: 10656		[11] port: 10196		[11] port: 10255						
	[11] attk: 1			[11] attk: 3		[11] attk: 1		[11] attk: 0						
	[12] port: 10492			[12] port: 10477		[12] port: 10030		[12] port: 10031						
	[12] attk: 2			[12] attk: 5		[12] attk: 1		[12] attk: 2						
	[13] port: 10484			[13] port: 10790		[13] port: 10903		[13] port: 10285						
	[13] attk: 1			[13] attk: 1		[13] attk: 2		[13] attk: 0						
	[14] port: 10260			[14] port: 10927		[14] port: 10666		[14] port: 10101						
	[14] attk: 3			[14] attk: 1		[14] attk: 1		[14] attk: 2						
	[15] port: 10103			[15] port: 10142		[15] port: 10154		[15] port: 10705						
	[15] attk: 1			[15] attk: 0		[15] attk: 1		[15] attk: 2						
	[16] port: 10006			[16] port: 10514		[16] port: 10793		[16] port: 10732						
	[16] attk: 1			[16] attk: 1		[16] attk: 2		[16] attk: 0						

	[17] port: 10413	[17] port: 10883	[17] port: 10365	[17] port: 10435										
	[17] attk: 1	[17] attk: 0	[17] attk: 0	[17] attk: 2										
	[18] port: 10847	[18] port: 10248	[18] port: 10365	[18] port: 10236										
	[18] attk: 0	[18] attk: 1	[18] attk: 2	[18] attk: 2										
	[19] port: 10538	[19] port: 10703	[19] port: 10867	[19] port: 10223										
	[19] attk: 1	[19] attk: 1	[19] attk: 3	[19] attk: 1										
	[20] port: 10125	[20] port: 10022	[20] port: 10443	[20] port: 10013										
	[20] attk: 1	[20] attk: 2	[20] attk: 1	[20] attk: 3										
	[21] port: 10537	[21] port: 10986	[21] port: 10255	[21] port: 10674										
	[21] attk: 1	[21] attk: 0	[21] attk: 1	[21] attk: 1										
	[22] port: 10536	[22] port: 10619	[22] port: 10902	[22] port: 10610										
	[22] attk: 3	[22] attk: 0	[22] attk: 1	[22] attk: 2										
	[23] port: 10350	[23] port: 10686	[23] port: 10934	[23] port: 10318										
	[23] attk: 0	[23] attk: 2	[23] attk: 1	[23] attk: 1										
	[24] port: 10722	[24] port: 10541	[24] port: 10423	[24] port: 10894										
	[24] attk: 1	[24] attk: 1	[24] attk: 2	[24] attk: 0										
	END: (2020, 2, 24, 11, 22, 41, 0, 5) END: (2020, 2, 24, 17, 46, 47, 0, 5) END: (2020, 2, 25, 2, 7, 26, 1, 56) END: (2020, 2, 25, 12, 47, 12, 1, 56)													
	Pycom MicroPython 1.18.2.r7 [v1.8-849-df9f237] on 2019-05-14; LoPy4 with ESP32													
	Type "help()" for more information. Type "help()" for more information. Type "help()" for more information.													
	>>>													

Single Periods (for time consuming experiments)

Tests To run

ID	N	p = 1/N	(attacks p period)	Speed (msec/period)	Time (s)	Theoretic Values			Not Attack	Not Att STD	Total Periods to	Time Min	Hours	Expected Periods	Periods WITH At least 1 attack
					P Not Att	Mean Att (n . p)	n								
10_N2048_T2357	1024	0.0009765625	2358	500	1179	9.99%	2.30	2358	-1.83		20	393.00	6.55	2.00	rare
											1	19.65	0.33	0.10	
											2	39.30	0.66	0.20	
											3	58.95	0.98	0.30	
											4	78.60	1.31	0.40	
											5	98.25	1.64	0.50	
											6	117.90	1.97	0.60	
											7	137.55	2.29	0.70	
											8	157.20	2.62	0.80	
											9	176.85	2.95	0.90	
											10	196.50	3.28	1.00	

Time

Py

Successful Attack

Total Attacks

Cumulative Peric

Cumulativ Attack

Notes

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02-23 11h10	A	0	0					[11] port: 10099	[10] port: 10637					5 [10] attk: 2		[10] attk: 3	1		
02-23 11h10	A	1	2					[11] attk: 4	[10] attk: 3					2 [11] port: 10961		[11] port: 10074	3		
02-24 00h05	A	1	3					[12] port: 10832	[11] port: 10099					0 [11] attk: 0		[11] attk: 0	0		
02-24 00h05	A	1	1					[12] attk: 2	[11] attk: 2					1 [12] port: 10783		[12] port: 10294	2		
02-24 00h05	A	0	0					[13] port: 10748	[12] port: 10832					1 [12] attk: 1		[12] attk: 2	1		
02-24 00h05	A	1	3					[13] attk: 2	[12] attk: 0					1 [13] port: 10819		[13] port: 10608	4		
02-24 00h05	A	1	3					[14] port: 10559	[13] port: 10748					1 [13] attk: 1		[13] attk: 1	1		
02-24 00h05	A	1	3					[14] attk: 1	[13] attk: 5					2 [14] port: 10082		[14] port: 10919	3		
02-24 00h05	A	1	3					[15] port: 10523	[14] port: 10559					2 [14] attk: 1		[14] attk: 4	1		
02-24 00h05	A	1	1					[15] attk: 0	[14] attk: 1					0 [15] port: 10032		[15] port: 10931	3		
02-24 00h05	A	1	3					[16] port: 10522	[15] port: 10523					2 [15] attk: 1		[15] attk: 1	3		
02-24 00h05	A	1	1					[16] attk: 3	[15] attk: 1					[16] port: 10426		[16] port: 10445			
02-24 00h05	A	1	3					[17] port: 10608	[16] port: 10522					[16] attk: 2		[16] attk: 3			
02-24 00h05	A	0	0					[17] attk: 4	[16] attk: 2					[17] port: 10564		[17] port: 10914			
02-24 00h05	A	1	2					[18] port: 10285	[17] port: 10608					[17] attk: 2		[17] attk: 1			
02-24 00h05	A	1	1					[18] attk: 1	[17] attk: 1					[18] port: 10375		[18] port: 10369			
02-24 00h05	A	1	4					[19] port: 10768	[18] port: 10285					[18] attk: 0		[18] attk: 3			
02-24 00h05	A	1	1					[19] attk: 5	[18] attk: 2					[19] port: 10608		[19] port: 10051			
02-24 00h05	A	1	3					END: (2020, 2, 23, 5, 15, 57, 6, 54)	[19] port: 10768					[19] attk: 2		[19] attk: 3			
02-24 00h05	A	1	1						[19] attk: 3					END: (2020, 2, 23, 17, 46, 4, 6, 54)		END: (2020, 2, 24, 4, 34, 44, 0, 55)			
02-24 00h05	A	1	3						END: (2020, 2, 23, 5, 24, 5, 6, 54)					Pycom MicroPython 1.18.2.r7 [v1.8. Pycom MicroPython 1.18.2.r7 [v1.8.6-849-df9f237] on 2019-05-14; LoPy4 with ESP32					
02-24 00h05	A	1	3											Type "help()" for more information.		Type "help()" for more information.			
02-24 00h05	A	1	3											>>>		>>>			