A		c			r	G	Н		
1 Aldan Chin									
2 ECE 202 EB									
1 45268					(# of consecutive heads or tails)		coin flips		
4 Simulating P(n), probability of n heads out of 20 throws from any pTalls and up to 2000 trials					macrostate	trial #	1	=116+1	+94+1
5					-if(G5-"","MAX)MAX[REQUENCY F(I6:AA5-"H",COLUMN)I6:AA5][JI(I6:AA5-"H",COLUMN)I6:AA5][JI(I6:AA5-"T",COLUMN)I6:AA5][JI(I6:AA5-TT,COLUMN)I6:AA5][JI(I6:AA5-	= IF(A7>0,1,"")	+if(\$G5+"","",if(RAND()<\$8\$7,"T","H"))	=IF(\$G5="","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G\$+"","",IF(RAND()+\$B\$7,"T","H"))
5 Input # of trials (up to 2,000)	input pTails		# of coins	pHeads (q)	-IF[G6-"","MAX)MAX[REQUENCY F[H6:AA6-"1",COLUMN(H6:AA6[])T[H6:AA6-"1",COLUMN(H6:AA6]]T[H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:AA6-"1",COLUMN(H6:A6-"1",COLUMN(H6:A6-"1",COLUMN(H6:A6-"1",COLUMN(H6:A6-"1",COLUMN(H6:A6-"1",COLUMN(H6:A6-"1",COLUMN(H6-"1",COLUMN(H6:A6-"1",COLUMN(H6-"1",COLUMN(H6-"1",COLUMN(H6-"1"	HF(OR)G5=A\$7,G5=""],"",G5+1)	+IF(\$G6+"","",IF(RAND()<\$8\$7,"T","H"))	*IF(\$G6*"","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G6="","",IF(RAND()<\$B\$7,"T","H"))
7 2000	0.5		20	=1-87	-if(G7-","",MAX/MAX[REQUENCY]E[H7-AA7-"H",COLUMN)(Y3-AA7][JE[H7-AA7-"H",COLUMN)(Y3-AA7][JE[H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7][JE]H7-AA7-"T",COLUMN)(Y3-AA7)[JE]H7-AA7-"T",COLUMN)(Y3-AA7-"T",COLUM	HF(OR)G6-A\$7,G6-""L"",G6+1)	+IF(\$G7+"","",IF(RAND()+\$B\$7,"T","H"))	+IF(\$G7="","",IF(RAND()+\$B\$7,"T","H"))	=IF(SG7="","",IF(RAND() <sbs7,"t","h"))< td=""></sbs7,"t","h"))<>
					-IF(GB-"","MAX)MAX[FEQUENCY F(HEAAB-"H",COLUMN)HEAAS[][IF(HEAAB-"H",COLUMN)HEAAS[][]]MAX[FEQUENCY]F(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN)HEAAS[][IF(HEAAB-"T",COLUMN]HEAA[][IF(HEAAB-"T",COLUMN]HEAA[][IF(HEAAB-"T",COLUMN]HEAA[][IF(HEAAB-"T",COLUMN]HEAA[][IF(HEAAB-"T",COLUMN]H	HF(OR)G7=A\$7,G7=""],"",G7+1)	+if(\$GB+"","",if(RAND()<\$B\$7,"T","H"))	=if(\$G8="","",if(RAND()<\$8\$7,"T","H"))	+IF(\$GB+"","",IF(RAND()<\$B\$7,"T","H"))
9 smallest macrostate	count T	count H	check pTails		-#F(SP-"","MAX)MAX(FREQUENCY E(HEAA9-"H",COLUMN)HEAA9[])](HEAA9-"H",COLUMN)HEAA9[]](MAX)FREQUENCY)E(HEAA9-"T",COLUMN)HEAA9[]][][]	-IF(OR(GE-A\$7,GE-""),"",GE+1)	+if(\$G9+"","",if(RAND()<\$8\$7,"T","H"))	=IF(\$G9="","",IF(RAND()<\$B\$7,"T","H"))	=if(\$G9="","",if(RAND()<\$B\$7,"T","H"))
10 - MIN(G:G)	- COUNTIF(EX,"T")	+COUNTIF(EX,"H")	= 87-810/(810+C10)		+F(G10-","MAX(MAX(PEQUENCY)F):ID:0AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10-"H",COLUMN(HID:AA10-"H",COLUMN(HID:AA10),F(HID:AA10-"H",COLUMN(HID:AA10-"H",COL	-F(OR)G9-A\$7,G9-"1,",G9+1)	+IF(SG10+"","",IF(RAND()+SB57,"T","H"))	+(F(\$G10="","",IF(RAND()<\$B\$7,"T","H"())	+IF(SG10+"","",IF(RAND() <sb57,"t","h"))< td=""></sb57,"t","h"))<>
11 largest macrostate	count trials				+#[G11-",",MAX(MAX(FEQUENCY #)H1:AA11-"H",COLUMN(H1:AA11),(F(H1:AA11-"H",COLUMN(H1:AA11)),(F(H1:AA11-"H",COLUMN(H1:AA11)),(F(H1:AA11-"H",COLUMN(H1:AA11)),(F(H1:AA11-"H",COLUMN(H1:AA11)),(F(H1:AA11-H",H)),(F(H1:AA11-H	-IF(OR(G10-A\$7,G10+""),"",G10+1)	+IF(\$G11="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G11="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G11="","",IF(RAND()<\$B\$7,"T","H"))
12 * MAX(F3)	-CDUNT(HH)				-IF[G12-"",",MAX/MAX(FREQUENCY IF)H2:AA12-"1",COLUMN(H2:AA12),IF(H2:AA12-0"H",COLUMN(H2:AA12))),IF(H2:AA12-0"H",COLUMN(H2:AA12))),IF(H2:AA12-0"H",COLUMN(H2:AA12-0"H",COLUMN(H2:AA12-0"H",COLUMN(H	HF(OR)G11+A\$7,G11=""],"",G11+1)	+IF(\$G12+"","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G12="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G12="","",IF(RAND()<\$8\$7,"T","H"))
11					-IF(G13-","MAX(MAX)FRQUENCY(F)H1-AA13-"H",COLUMN(H13-AA13)(JF(H13-AA13-")H",COLUMN(H13-AA13-")H",COLUMN(H1	+IF(OR)G12+A\$7,G12+""),"",G12+1)	+IF(\$G13+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(SG13+"","",IF(RAND()+SBS7,"T","H"))	=IF(SG13="","",IF(RAND() <sbs7,"t","h"))< td=""></sbs7,"t","h"))<>
14	(simulation)	(simulation)			+F[G14-",",MAX(MAX(FEQUENCY F)H3-AA14-",COLUMN(H3-AA14),(F(H3-AA14-"),	HF(OR)G13-A\$7,G13-""),"",G13+1)	+IF(\$G14+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G14+"","",IF(RAND()<\$B\$7,"T","H"))	=iF(\$G14="","",IF(RAND()<\$B\$7,"T","H"))
15 macrostate #	# of trials	prob p(n) %			+#[G15+"",",MAX[MAX[REQUENCY #]H15:AA15-"H",COLUMN[H15:AA15]],[H[H15:AA15-"H",COLUMN]H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15]],[H]H15:AA15-"H",COLUMN[H15:AA15-"H",COLUMN[H15:AA15-"H"]],[H]H15-"H15-"H15-"H15-"H15-"H15-"H15-"H15-"	-F(OR(G14-A\$7,G14+""),",G14+1)	+IF(\$G15+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G15+"","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G15="","",IF(RAND()<\$B\$7,"T","H"))
16 + IF(A7>0,A10,***)	-IF(A16-"","",COUNTIF(F:F,A16))	- IF(A16-""," B16/A\$7)			-#F(G16-"","MAX(MAX(PEQUENCY(F))G6AA16-"H",COLUMN(H16AA16),F(H16AA16-"H",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16)),F(H16AA16-"T",COLUMN(H16AA16-T",COLUMN(H16AA	-IF(OR)G15-A\$7,G15-"'),"",G15+1)	+IF(\$G16+"","",IF(RAND()+\$B\$7,"T","H"))	+(F(\$G16+"","",(F(RAND()+\$B\$7,"T","H"))	+IF(\$G16-"","",IF(RAND()+\$B\$7,"T","H"))
17 = IF(OR(A16="",A16=A\$12),"",A16+1)	-IF(A17-"","",COUNTIF(F:F,A17))	= IF(A17="","",B17/A\$7)			+F(G17="","),MAX(MAX(FEQUENCY)F)(G17-9A17="1",COLUMN(H17-AA17),JF(H17-AA17-"1",COLUMN(H17-AA17-"1",COLUMN)H17-AA17),JF(H17-AA17-"1",COLUMN)H17-AA17(),JF(H17-AA17-"1",COLUMN)H17	-IF(OR(G16-A\$7,G16-""),"",G16+1)	+IF(\$G17+"","",IF(RAND()<\$B\$7,"T","H"))	+iF(\$G17+"","",iF(RAND()<\$B\$7,"T","H"))	=(F(\$G17="","",IF(RAND()<\$B\$7,"T","H"))
18 = IF(OR(A17="",A17=A\$12),"",A17+1)	-IF(A18-"","",COUNTIF(F.F,A18))	= IF(A18="","",B18/A\$7)			-IF[G18-",","AAX[MAX[FRQUENCY[IF]:UBAA18-"T",COLUMN[H18:AA18]],IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18]),IF[H18:AA18-"T",COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T"],COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T"],COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T"],COLUMN[H18:AA18-"T"],COLUMN[H18:AA18-"T",COLUMN[H18:AA18-"T"],COLUMN[H18-"T"],C	-IF(OR)G17+A\$7,G17=""],"",G17+1)	+IF(\$G18+"","",IF(RAND()<\$8\$7,"T","H"))	-IF(\$G18="","",IF(RAND()<\$8\$7,"T","H"))	=IF(\$G18="","",IF(RAND()<\$8\$7,"T","H"))
12 = IF(OR(A18="",A18=A\$12),"",A18+1)	=IF(A19="","",COUNTIF(F:F,A19))	= IF(A19="","",B19/A\$7)			-#F(G19-"","MAX(MAX(FEQUENCY)(F):03:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419)(JF(H29:A419-"1",COLUMN(H19:A419-"1",COLUMN	-IF(OR(G18-A\$7,G18-""),"",G18+1)	-IF(\$G19="","",IF(RAND()<\$B\$7,"T","H"))	+(F(\$G19+"","",(F(RAND()+\$B\$7,"T","H"))	-(F(\$G19-"","",IF(RAND()<\$B\$7,"T","H"))
20 = IF(OR(A19="",A19=A\$12),"",A19+1)	=IF(A20="","",COUNTIF(F:F,A20))	= IF(A20="","",E20/A\$7)			+IF(G2D="","MAX(MAX(FREQUENCY)IF)(920-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20-"),"COLUMN(H2D-AA20),IF(H2D-AA20-"),"COLUMN(H2D-AA20-"),"C	-IF(OR(G19-A\$7,G19-""),"",G19+1)	+IF(\$G20+"","",IF(RAND()<\$B\$7,"T","H"))	+iF(\$G20+"","",iF(RAND()<\$B\$7,"T","H"))	+IF(\$G20+"","",IF(RAND()<\$B\$7,"T","H"))
21 = IF(OR(A20="",A20=A\$12),"",A20+1)	-IF(A21="","",COUNTIF(F:F,A21))	= IF(A21="","",B21/A\$7)			+IF(G21="","MAX(MAX(FREQUENCY(IF)G1:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA21)),IF(H21:AA21="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN(H21:AA1="H",COLUMN	-IF(OR)G20+A\$7,G20=""],"",G20+1)	+IF(\$G21="","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G21="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G21="","",IF(RAND()<\$B\$7,"T","H"))
22 = IF(OR(A21="",A21=A\$12),"",A21+1)	=IF(A22="","",COUNTIF(F:F,A22))	= IF(A22="","",B22/A\$7)			-#F(G22-"","MAX(MAX(FRCQUENCY)(F))92-AA22-"1", COLUMN(H22-AA22)[JF(H22-AA22-")", COLUMN(H22-AA22)[JF(H22-AA22-")", COLUMN(H22-AA22)[JF(H22-AA22-")", COLUMN(H22-AA22-")", COLUMN(H22-AA22)[JF(H22-AA22-")", COLUMN(H22-AA22-")", COLUMN(H22-AA22	-IF(OR(G21-A\$7,G21-""),"",G21+1)	-IF(\$G22-**,***,IF(RAND()-\$8\$7,*T*,*H*))	-if(\$G22-"","",if(RAND()<\$B\$7,"T","H"))	-(F(\$G22-"","",IF(RAND()<\$B\$7,"T","H"))
23 + IF(OR(A22+"",A22+A\$12),"",A22+1)	-IF(A23-"","",COUNTIF(F:F,A23))	= IF(A23="","",B23/A\$7)			-#F(G23-"","MAX(MAX(FREQUENCY)(F)(G3:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23-"H", COLUMN)(H23:AA23)),(F)(H23:AA23-"H", COLUMN)(H23:AA23-"H", COLUMN)(H23-AA23-"H", COLUMN)(H	-IF(OR(G22+A\$7,G22+"),"",G22+1)	+IF(\$G23+"","",IF(RAND()+\$B\$7,"T","H"))	+iF(\$G23+"","",iF(RAND()<\$B\$7,"T","H"))	+IF(\$G23+"","",IF(RAND()<\$B\$7,"T","H"))
24 = IF(OR(A23+"',A23+A\$12),"',A23+1)	=IF(A24="","",COUNTIF(F:F,A24))	= IF(A24+***,***,B24/A\$7)			-IF (G24-""," MAX/MAX/FREQUENCY(II):G4-RA24-"1", COLUMN(H2-RA24)   II(H2-RA24-"1", COLUMN(H2-RA24)   II(H2-RA24-"1", COLUMN(H2-RA24)   II(H2-RA24-"1", COLUMN(H2-RA24-"1", COLUMN(H2-RA24-	-IF(OR(G23-A\$7,G23-"'),",G23+1)	+IF(\$G24+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G24+"","",IF(RAND()+\$B\$7,"T","H"))	<pre>-(F(\$G24+"","",IF(RAND()&lt;\$B\$7,"T","H"))</pre>
25 + IF(OR(A24+***,A24+A\$12),***,A24+1)	-IF(A25-"","",COUNTIF(F:F,A25))	- IF(A25-**,***,B25/A\$7)			-IF(G25-","MAX(MAX(PEQUENCY)IP)GS AA25-"H", COLUMN(H25-AA25)], IF(H25-AA25-)"H", COLUMN(H25-AA25)], IF(H25-AA25-)"T", COLUMN(H25-AA25)], IF(H25-AA25-)"T", COLUMN(H25-AA25)], IF(H25-AA25-)"T", COLUMN(H25-AA25)], IF(H25-AA25-)"T", COLUMN(H25-AA25)], IF(H25-AA25-)"T", COLUMN(H25-AA25-)"T", COLUMN(H25-AA25-)"T"	-IF(OR(G24-A\$7,G24+""),"",G24+1)	-IF(\$G25-**,***,IF(RAND()-\$B\$7,*T*,*H*))	-IF(\$G25-"","",IF(RAND()<\$B\$7,"T","H"))	-(F(\$G25-"","",IF(RAND()<\$B\$7,"T","H"))
26 = IF(OR(A25="",A25=A\$12),"",A25+1)	-IF(A26-"","",COUNTIF(F:F,A26))	= IF(A26="","",B26/A\$7)			-#F[G26-"","MAX[MAX[FREQUENCY[IF]:G6:AA26-"1",COLUMN[H26:AA26]],IF[H26:AA26-"1",COLUMN]H26:AA26]]]]])	-IF(OR)G25-A\$7,G25-""],"",G25+1)	+IF(\$G26+"","",IF(RAND()<\$B\$7,"T","H"))	-IF(\$G26-"","",IF(RAND()<\$B\$7,"T","H"))	-IF(\$G26-"","",IF(RAND()<\$B\$7,"T","H"))
27 = IF(OR(A26="",A26=A\$12),"",A26+1)	-IF(A27-"","",COUNTIF(F:F,A27))	= IF(A27="","",B27/A\$7)			-#F(627-"","MAX(MAX(FREQUENCY(IF)G7:AA27-"1",COLUMN(H27:AA27)),IF(H27:AA27-"1",COLUMN(H27:AA27)),IF(H27:AA27-"1",COLUMN(H27:AA	-IF(OR)G26+A\$7,G26+1"],"",G26+1)	+IF(\$G27+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G27+"","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G27="","",IF(RAND()<\$B\$7,"T","H"))
28 = IF(OR(A27="",A27=A\$12),"",A27+1)	-IF(A28-**,**,COUNTIF(F.F.A28))	= IF(A28="","",B28/A\$7)			-IF (G28-""," MAX (MAX (FEQUENCY) IF) G3 AA28-"H", COLUMN (H28-AA28) II, IF(H28-AA28-"H", COLUMN (H28-AA28) II, IF(H28-AA28-"T", COLUMN (H28-AA28) II, IF(H28-AA28-"T", COLUMN (H28-AA28) II, IF(H28-AA28-"T", COLUMN (H28-AA28) II, IF(H28-AA28-"T", COLUMN (H28-AA28-"T", COLUMN (H28	-IF(OR(G27-A\$7,G27-""),"",G27+1)	-IF(\$G28-**,***,IF(RAND()-\$8\$7,*T*,*H*))	-if(\$G28-"","",if(RAND()<\$8\$7,"T","H"))	-(F(\$G28-**,***,IF(RAND()<\$B\$7,*T*,*H*))
29 + IF(OR(A28+"",A28+A\$12),"",A28+1)	-IF(A29-"","",COUNTIF(F:F,A29))	= IF(A29="","",B29/A\$7)			-#F[G29-"","MAX[MAX[FRQUENCY[IF]G9:AA29-"H",CGLUMN[H29-AA29][JF[H29-AA29-"H",CGLUMN]H29-AA29][JF[H2	-IF(OR)G28-A\$7,G28-"'],"",G28+1)	+IF(\$G29+"","",IF(RAND()<\$8\$7,"T","H"))	-IF(\$G29-"","",IF(RAND()<\$B\$7,"T","H"))	-IF(\$G29-"","",IF(RAND()<\$B\$7,"T","H"))
30 = IF(OR(A29="",A29=A\$12),"",A29+1)	-IF(A30+"","",COUNTIF(F:F,A30))	= IF(A30="","",B30/A\$7)			-rF(G30-"","MAX[MAX[FREQUENCY[IF]:G0AA30-"T",COLUMN[H30AA30],[F(H30AA30-"T",COLUMN]H30AA30],[F(H30AA30-"T",COLUMN]H30AA30],[F(H30AA30-"T",COLUMN]H30AA30],[F(H30AA30-T",COLUMN]H30AA30],[F	-IF(OR)G29+A\$7,G29="1],"",G29+1)	+IF(\$G30+"","",IF(RAND()<\$8\$7,"T","H"))	-IF(\$G30="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G30="","",IF(RAND()<\$B\$7,"T","H"))
31 * IF(OR(A30+"",A30+A\$12),"",A30+1)	-IF(A31-"","",COUNTIF(F:F,A31))	= IF(A31="","",B31/A\$7)			-#F(G31-"","MAX(MAX(FREQUENCY(F)(91:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:AA31-"1",COLUMN(H3:AA31)),F(H3:AA31-"1",COLUMN(H3:	-IF(OR(G30+A\$7,G30=""),"",G30+1)	+IF(\$G31+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G31="","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G31="","",IF(RAND()<\$B\$7,"T","H"))
32 + IF(OR(A31+"",A31+A512),"",A31+1)	-IF(A32-"","",COUNTIF(F.F.A32))	= IF(A32="","",B32/A\$7)			-IF[G32-","MAX[MAX[FRQUENCY[IP]:G2AA32-"T,CGUMN[H32-AA32]]JF[H32-AA32-"T,CGUMN]H32-AA32]JF[H32-AA32-"T,CGUMN]H32-AA32]JF[H32-AA32-"T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-AA32]JF[H32-AA32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32-T,CGUMN]H32	-IF(OR)G31-A\$7,G31-"'],",G31+1)	+IF(\$G32+"","",IF(RAND()+\$B\$7,"T","H"))	-IF(\$G32-"","",IF(RAND()<\$B\$7,"T","H"))	-IF(\$G32-"","",IF(RAND()<\$B\$7,"T","H"))
33 + IF(OR(A32+"",A32+A\$12),"",A32+1)	-IF(A33-**,**,COUNTIF(F:F,A33))	= IF(A33="","",B33/A\$7)			-IF(G33-",","MAX[MAX[FRQUENCY[IF]:G3:AA33-"F,",COLUMN[H3:AA33]]],IF(H3:AA33-"H,",COLUMN[H3:AA33]]],IF(H3:AA33-"),"(G3:AA33)]]])	-IF(OR)G32+A\$7,G32+"],"",G32+1)	+IF(\$G33+"","",IF(RAND()<\$8\$7,"T","H"))	+IF(\$G33+"","",IF(RAND()<\$B\$7,"T","H"))	=IF(\$G33="","",IF(RAND()<\$B\$7,"T","H"))
34 * IF(OR(A33*",A33*A\$12),"",A33+1)	-IF(A34-**,**,COUNTIF(F:F,A34))	= IF(A34="","",B34/A\$7)			-IF[G34-"","MAX[MAX[FRQUENCY[IF]ISHAA34-"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"],IF[H34-A34-0"1",COLUMN[H34-A34]],IF[H34-A34-0"1",COLUMN[H34-A34-0"]],IF[H34-A34-0"],IF[H34-A34-0"],IF[H34-A34-0"]],IF[H34-A34-0"],IF[H34-A34-0"]],IF[H34-A34-0"],IF[H34-A34-0"]]],IF[H34-A34-0"]],IF[H34-A34-0"]]],IF[H34-A34-0"]]],IF[H34-A34-0"]]],IF[H34-A34-0"]]],IF[H34-A34-0"]]]],IF[H34-A34-0"]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]	-IF(OR)G33-A\$7,G33-***],***,G33+1)	+IF(\$G34+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G34+"","",IF(RAND()<\$B\$7,"T","H"))	+IF(\$G34+"","",IF(RAND()<\$B\$7,"T","H"))
35 IF(OR(A34+"',A34+A\$12),"',A34+1)	-IF(A35-"",",COUNTIF(F.F.A35))	= IF(A35="","",B35/A\$7)			-IF (G35-"," MAX(MAX(FRQUENCY)IP)(IS-AA35-")", COLUMN(H3:AA35)) IF (H3:AA35-") (COLUMN(H3:AA35)) IF (H3:AA35-") (H	-IF(OR)G34-A\$7,G34+"'),"",G34+1)	+IF(\$G35+"","",IF(RAND()+\$B\$7,"T","H"))	+(F(SG35+"","",(F(RAND()+SB57,"T","H"))	+IF(\$G35+"","",IF(RAND()+\$B\$7,"T","H"))
36 - IF(OR(A35+"',A35+A\$12),"',A35+1)	=IF(A36="","",COUNTIF(F:F,A36))	= IF(A36="","",B36/A\$7)			-IF (G16-"," MAX(MAX)FREQUENCY(II)(IG6AA36-"H",COLUMN(H36AA36(),I)(H36AA36-"H",COLUMN(H36AA36()),II)(H36AA36-"H",COLUMN(H36AA36()),II)(H36AA36-"H",COLUMN(H36AA36()),II)(H36AA36-H",COLUMN(H36AA36()),II)(H36AA36(),II)(H36AA3	=IF(OR(G35=A\$7,G35=""),"",G35+1)	+IF(\$G36+"","",IF(RAND()+\$B\$7,"T","H"))	*IF(\$G36*"","",IF(RAND()<\$8\$7,"T","H"))	+IF(\$G36="","",IF(RAND()<\$B\$7,"T","H"))
37 = IF(OR(A36="",A36=A\$12),"",A36+1)	=IF(A37="","",COUNTIF(F:F,A37))	= IF(A37=""," B37/A\$7)			-#[G37-","MAX[MAX[FRQUENCY II]H37-AA37-"1",COLUMN[H37-AA37]],IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[H37-AA37-"1",COLUMN[H37-AA37]),IF[H37-AA37-"1",COLUMN[	=IF(OR)G36=A\$7,G36=""),"",G36+1)	+IF(\$G37+"","",IF(RAND()+\$B\$7,"T","H"))	*(F(\$G37*"","",(F(RAND()<\$0\$7,"T","H"))	+IF(\$G37="","",IF(RAND()<\$B\$7,"T","H"))
38 - IF(OR(A37+"',A37+A\$12),"',A37+1)	-IF(A38-"",",COUNTIF(F.F.A38))	= IF(A38=""," B38/A\$7)			-IF (G38-","MAX(MAX)FEQUENCY(IF)GB AA38-"H",COLUMN(H3B-AA38())F(H3B-AA38-"H",COLUMN(H3B-AA38())F(H3B-AA38-")F(H3B-AA38-")F(H3B-AA38)	-IF(OR)G37+A\$7,G37+"'),"",G37+1)	+IF(\$G38+"","",IF(RAND()+\$8\$7,"T","H"))	+(F(SG38+"","",(F(RAND()+SBS7,"T","H"))	+IF(\$G38+"","",IF(RAND()+\$B\$7,"T","H"))
20 - IF(OR(A38-** A38-A613) ** A38-1)	=E(A39=** ** COUNTIEFE A39))	= IE(A30=*** ** B30/A57)			-INCORP-** ** MANUMANUTEROURNCHICHTO AND OF COLUMNING AND INCORPORATE AND INCO	-IE(OE(G38-AS7 G38-**) *** G38-1)	#E(\$G19#"" "" E(BAND(#\$B\$7 "T" "H"))	-IEI/SC20-** ** IEI/BAND(I+SES7 *T* *H*))	-IF(SG 99-" " IF(BAND()-SBS7 "T" "H"))