	А	В	С	D E	F	G	Н	1	J	К	L	М	N
1	Aidan Chin												
2	ECE 202 E7												
3	12/2/2023												
4	this excel doc calculates the probability of getting a certain number from a 2 dice roll with either 4 or 6 sides							Sum of both dice					
5						Die 1	6			+		11	
6	States of 1 die	Probability P(n)					_ 5					10	11
7	1						4	5		-		9	10
8	2						3	3 4	, ,	6		8	9
9	3	16.67%					2	2 3		5		7	8
10	4	16.67%					1	L 2			5	6	7
11	5							1	. 2	3	4	5	6
12	6	16.67%						Die 2					
13													
	Number of dice (N)	2	USER INPUT = BLUE										
	Number of sides (S)	6											
	(predict) Number of microstates (n)	36	OUTPUT = ORANGE										
	(predict) Number of macrostates	11											
18			5 1 1 Un 5/)										
19	macrostate n (total # on both dice)	# of microstates	Probability P(n)										
20	2	1	2.78%										
21	3	2	5.56% 8.33%										
22	4	3											
23	5	4	11.11%										
24	D 7	5	13.89% 16.67%										
25	, ,		13.89%										
20 21 22 23 24 25 26 27 28 29	8	5	13.89%										
28	10	- 4	8.33%										
20	10	3	5.56%										
20	11		2.78%										
31	12		2.76%										
33	CHECK total # of macrostates	CHECK total # of microstates	CHECK total probability										
32 33	O CHECK total # 01 macrostates												
34	Should be zero	should be zero	should be 100%										
35	Silouid Sc 2010	Siloulu De Zero	3110010 DC 100/0										
	Most likely macrostate	7											
50	iviost intery macrostate	· · · · · · · · · · · · · · · · · · ·											

Α .	8	c	D E	F	G	н		1	K	L	M	N
1 Aldan Chin				_								
2 ECE 202 E7												
3 45262												
this most doc calculates the probability of petting a certain number from a 2 data cell with either 4 or 6 sides										n of both dice		
5					Die 1						HF(\$H5-0"",IF(M\$11-0"",\$H5+M\$11,""),"	
6 States of 1 die	Probability P(n)					HF(H7<>"",JF(\$8\$15>H7+1,H7+1,""),"")	HF(\$HE-O"",IF(I\$11-O"",\$HE-I\$11,""),"")	HF(\$H6O"",F(J\$11O"",\$H6+J\$11,""),""	HF(\$H60"",IF(K\$110"",\$H6+K\$11,""),"") HF(\$H6O",F(L\$11O",\$H6+L\$11,""),"	HF(\$H6-0"",IF(M\$11-0"",\$H6+M\$11,""),"	") HE(\$HE-O"",IF(N\$11-O"",\$HE+N\$11,""),"")
	HEATO", 158515,")					HF(HBc>"",JF(\$8\$15>HIB+1,HB+1,""),"")	*IF(\$H7-0"",IF(\$11-0"",\$H7+ \$11,""),"")	HF(\$H7O"",F()\$11O"",\$H74 \$11,""),""	HF(\$H7-0"",IF(K\$11-0"",\$H7+K\$11,""),""	HF(\$H70"",F(L\$110"",\$H7+L\$11,""),"	HF(\$H7-0"", IF(M\$11-0"", \$H7+M\$11, ""), "	") =#[\$H7-0"",#[N\$11-0"",\$H7+N\$11,""),"")
B +IF(A7<>"',IF(\$8\$15>+A7+1,A7+1,"''),"'')	HF(ABO**,1/SB\$15,**)					HF(H9<>"",IF(\$8\$15>HI9+1,H9+1,""),"")	HF(\$HB-0"",F(\$11-0"",\$HB-(\$11,""),"")	HF(\$HBO"",F(J\$11O"",\$HBH\$11,""),""	HF(\$HBO***,IF(K\$11O***,\$HB+K\$11,***),***) HF(\$HBO"",IF(L\$11O"",\$HB+L\$11,""),"	HF(\$HBO"", IF(M\$110"", \$HB+M\$11,""),"	") HE(\$HEO"",F(N\$110"",\$HE+N\$11,""),"")
9 HF(AB<>",IF(\$B\$15>+AB+1,AB+1,""),"")	HF(AB-0**,1/SB\$15,**)					HF(H10+5"")F(\$B\$15>+H10+1,H10+1,""),"	*IF(\$H9-0"",IF(I\$11-0"",\$H9+I\$11,""),"")	HF(\$H9O"",F(J\$11O"",\$H9H\$11,""),""	HF(\$H9-0"",IF(K\$11-0"",\$H9-K\$11,""),"") HF(\$H9O"",IF(L\$11O"",\$H9+L\$11,""),"	HF(\$H9-0"",IF(M\$11-0"",\$H9+M\$11,""),"	") HE(\$H9-0"",IF(N\$11-0"",\$H9+N\$11,""),"")
10 +(F(A9c)**.(F(SB\$15>+A9+1.**).**)	HE(A100***1,1/58515.***)					1	HEISH10-0".IFIIS11-0"".SH10-HS11."")."	HEISHIDO" JEUS11-0" SHID-1511.").	" HEISH10-0" JEIKS11-0" SH10-KS11."")	." HF(\$H10+0" JF(L\$11+0" SH10+L\$11.""	" HFISH10-0" JFIMS11-0" SH10-MS11."	1." HEISH10-0".IENS11-0".SH10-NS11.""."
11 +(F(A10+>***)F(SB\$15>+A10+1.410+1.***).***)	HEALIOT 1/58515 T						1	HF011-0""./FISBS15>H11+1./11+1."")."") HF(011-0***.F(\$0\$150+011+1.01+1.**).***	#F(K11+0***JF(\$B\$15>+K11+1,K11+1,***).	T HERLITOTTURES \$5150-1211-1211-127127	HFIM11-0**.IFISB\$15>+M11+1.M11+1.**1.*
12 +(F(A11+)***)F(SB\$15>+A11+1.A11+1.**).**)	HF[A120**,1/58615,**]						Die 2	T				T
12												
24. Number of dice (N)	,	USER INPUT = BLUE										
15 Number of sides (5)	ā											
16. (predict) Number of microstates (n)	-015°014	OUTPUT - ORANGE										
17. (predict) Number of macrostates	014/005-1141	DOLLAGO - DESCRIP										
16												
10 macrostate n (total # on both dice)	# of microstates	Probability P(n)										
	HECOUNTERNOLECTITIES IS SISTEMORECTICAR COORDINA SESSISTATION A2010 TO COUNTERNOLECTITIES IS SESSISTANDESCRICKAR COORDINATES IS THE TOTAL A2010 TO COUNTERNOLECTITIES IS SESSISTANDESCRICKAR COORDINATES AS A COUNTERNOLECTITIES	HF(820-0***,820/58516.**)										
	#F(COUNTE) NO RECTO 1 (4) 1-56515 (1) NO RECTO CHARGOOG (1) 1-56515 (1) 10" (A21) 0" (COUNTE) NO RECTO TE(1) 56515 (1) NO RECTO CHARGOOG (1) 1-56515 (1) 10" (A21) 0"	HF(821-0***,821/58516.***)										
	+F/COUNTE/INDRECTITIALII-SESSISINDRECTICHAR/COOLITII-SESIS-IIETIOTIAZZI-0."*COUNTE/INDRECTITIALII-SESISISINDRECTICHAR/COOLITII-SESIS-IIETIOTIAZZI	HF(822-0***,822/58516.***)										
	+#(COUNTERNISECTION #11-58535)HANDECTICHARCODET**(-\$8515-18*127)A2210**(COUNTERNISECTION #158535)HANDECTICHARCODET**(-\$8515-18*127)A2210**	HF(823-0***,823/58516.**)										
	+#/COUNTERINDECTITIES 11-565516ND PROTECTION ACCOUNTERINDECTITIES 1565516ND PROTECTION ACCOUNTERINDECTITIES 1565516ND PROTECTION ACCOUNTERIND ACCOUN	HF(824c)***,824/58516.**)		_		+		+				-
	###COUNTENDERCTIT*#411-565151HNDRCCTICH##COOT*T1+85515-18*1071A2510************************************	HF(8250***,825/58516.**)		_		<u> </u>		+				+
	****(COUNTERFORMERT***********************************	HF(8260",826/58516,"")		_		<u> </u>		+				+
	*****(COUNTERFORMERT***********************************	HF(8270"",827/58516."")		_								
	****(COUNTERFORMERT***********************************	HF(828-0"",828/58516,"")		_								
				_	_							
	HE(COUNTE(INDIRECT[116]11-58515]) MORECT[CHAR[CODE[11]+58515-1]81101], A29]-q.", COUNTE(INDIRECT[116]11-58515); INDIRECT[CHAR[CODE[11]+58515-1]81101], A29]) HE(COUNTE(INDIRECT[116]11-58515]-INDIRECT[CHAR[CODE[11]+58515-1]81101], A30]]	HF(829-5"",829/58516,"")		_					+			+
A) (***(AZPO****)**(38014**)**(3941,AZP+1,***(***)	THE CONTRIBUTE OF THE STATE OF	пушись двидарта, "О		_		-		-	+	+		+
				_								
32 CHECK total # of macrostates 33 CHECK total # of macrostates 33 CHECK TOTAL	CHECK total # of microstates.	CHECK total probability	_	_								
		*SOM(CAUCH)		_		-		-	+	+		+
34 Should be zero	should be zero	should be 100%		_		-		-	+	+		+
25				_								
35 Most Blak maconstate	HE/315-6 MODELS WITH MODELS - 1109											

