BSSEL3058 Assignment \$2.
Probability of Statistics Day .. Date: 2.5 1HT 1 TH 1 TT 2H 2T BHHE 3 HT 3 TH 3 TT 44 47 5HH 5 H T STT S- § 1HH, 1HT, 1TH, 1TT, 2H, 2T, 3HH, 3HT, 3TH, 3TT, 4H, 4T, 5H, 5HT, 5TH, 5TT, 6H, 6T } 0 MMMM 2.7 MW.WE MMFM MEMM MEFM FMMM FMMF 2 FMFM EMFF 2 FFMM FFFM SI. & MMMM, MMMF, MMFM, MMFE, MFMM, MFMF, MFFM, EMMM, FMMF, FMFM, FMFF, FFMM, FFMF, FFFM, FFFF Sz= { no oz femaler} Sz= { D, 1, 2, 3, 4} . On

Date:	Day:	
2.77	- 8 blood hyrus.	
	-3 Hard moscine levels	
	no. Doway = bloodtyne belevel	
	to classify 2 8c1 x 3c1	
	2 × 3	
-	= 24 ways	
	3	
2.32	(a) 6 people te lined. 6 PG	
	5 4 3 2 1 61	
	= 720 way	
	720 000	
	(b). 3 people bogether.	
	arranging with the	
	3! × 41) = avianging us in the	
	= 6 × 24	
	= 144 ways	
	(c) 2 hogeling.	
	21, x 5! - 240 ways	
tas Ang	y two people or always stero	at .
	hogher	
	two people who don't stand to gether ??	
3.121	91 no manement is more. Just vondon jul	gile
	9/ no amangment is more. just vardon pell aningement: 66 = 720 ways	
	그는 사람들이 가는 경찰을 가게 있다면 하는 것을 가지 않는 것이다면 하는 사람들이 되었다면 하는 것이다면 하는 것이다면 살아보다면 하는데 되었다.	11
	two people 2 All ways - 2 people who alw	ays eles
- <mark>-0</mark>	who don't	180
	Hand kigether = 720 - 240	
	= 480 weys	
A THE STATE OF STATE		

Date:	Day a market of the second of	
2.48	Af normal nonleap year = 365 days	
	Shderts 260.	
	365 P 60 = 365!	
	(365-60)!	
	z hos large calculator cont	
	Calculate	
	Jon loap gean = 366 days 366 p = 365! (366-40)!	
	366p, 2 368!	-
	60 (366-40)!	
	2 can't falanlate by calculate,	
	Charache	
2.114	Total Set 2/3.	
	defective 23 hon-defective, 12-3.9	
	Choose 25	
	defective at least 2.	
	(D > = 2)	
	if two are defective & three normal	
	DDNNN	
	2D 3c2 = 3	
	3N 9c3 284	
	84x3.252	
	if 3 detective & 2 Nonal	
	[DDD] [NN]	
	30 3e3 2	
	2N· ^{9c} 2 1 36	
	36×1236.	
	total no. of ways \$ 252+36	
	2 2 2 288 ways	

	\$100 .75 BOO	
Date:	Day:	ET Brist
251	(0) Sh) 500	A Committee of the Comm
~~	500 710 275	A STATE OF THE OWNER.
		Contract Con
	Sample space for diff amont on money	
	Sample space for diff amont of money S- & 10, 25, 1003	and the state of t
	P(2st envelope less hand 100) 2 Envelope contains \$10 P(\$)	10)
	+ Envelope contains	925
	2 275 + 150 500 500	
	z 17 z 0.85°	
2.63	(a)	
- 01-2	P(P(in bedroom) 2 P(AB) + P(CB) + P(OB)	
	20.03+0.15 +0.14	
	z 0.32	
	(b) P(PC not in hedroom) 21 - P(PC in hadroom)	
-	21-0.32	
	z 0.68	
	P(OC in Affinada) 2: 040 = 400/0	
	c) P(P(in hédrown) Q32 ~ 32% P(p(in 0th o orden) ~ 0,40 ~ 40% P(other rooms) ~ 0.28 ~ 0.28%	
	The highest protorobaling is the Office of ben	
	The highest protocobaling is the Office or ben with 40% dence.	
2.75	XXX P (1921). 200	
0	Made and Secondary) 28	
	Lidnesia 200	
	11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	
-6	MA OF THE STATE OF	.)
	(ologe) 2 (fond t) + f End	5)
	1 2 1 4 80 K 19	(20 Y

2.750	(Total) > 200 P(seconday). P(F) +P(M+5). 28+50 P(Male I secondary). P(Male 4 Secondary)
(0)	P/Male 1 seconday). P/ Male 4 secondary)
	P(Seco day)
	2 28
	75
	0.373
(b)	P(ferrale + Non-college female)
	z P(Y (ollege and fenale)
	2 P(/ (ollege and fenale) P(Female)
1 de la constante de la consta	P[fenale) = 45+50+172112
	P(1 college and Female) 2 P(SoudF) + P(E and F
	P(1 college and female) 2 P(SondF) + P(E and f
	z 45 +50
	2 95
	P[[(allege female) = 95
	1 (! (outse , terrare) 2
	z 0.848
2.127	Ocarrier Dis Duot carrier
	P canja - U
	acarrier D. S Dearier D. S
	acairies. Phon-cania
	P(Q() = 0.5
	P(PNC QC) = 0.5
	Three sons
	2 (0.5)3 0.125

Day:	
using payes Rule.	
P(QCIPNC)=P(PNCIQC) x P(0	()
P(PNC)	
P(ANG) = P(QC) x P(PNC) BC) + P(QNC) P	PNG 181
$= (0.5 \times 0.125) + (0.5 \times 1)$ $= 0.5625$	NC)
P(QL I PNC) = 0.5 x 0.125	
20.0425	
= 0. III	