Date		
Page	No.	

*	Example: -	73	luncular		H I FUT !	111	1 1 19 1	1810		
. 14	Tra John W.		31				Ų.	upfd_		1
	A grocery store	has o	one ch	eckoud	· Cour	ver.	Custor	mer c	lasiv	es
	at this counter	at ro	andon	From	1 to	8 mil	nutes	apart	ano	each.
•	The sprvice ti	e has	the.	same	probal	bility	06	oceur	ence	2
3 -	The sprvice ti	ne v	rary 1	from 1	to	6 m	inute	s, wi	the p	robabil
	given below:		0		175	0.	1 1 1	•		
	350 - 1030		290.1		e (1.	0	7 -	- 1		1
-	Services (minutes)		2		2	9	5	2 5	.05	-
	Gruices (minutes)   Probability	0.10	0.20	0.3	0	0.25	1.0.1	0 16	, 00	
	11241 7.71 (1)		1, 1	1	)	14			1-1-	
-)	Simulate the	assiv	919	10 (1	wtome	M C	ina	calcul	are	
100	0 1 1 11 11 1			lo a .	b- 11	186 h	Start F	DHVY !		
(P)	Probability that	9 0	wrome	r rais	10 W	0001		1.	-	
b)	Probability to	nat.	162162	being	1016	•		Q -		
c)	Avg. sorvice	rimo	OA A	11	10.0	ii -		0		
	Random digit	1 22	1,45	174	165	127	179	30	161	89/20
	for service time		30 1		UF			3		1
	001-18		173		1 30	0/	*	11.1		
	Rondon digit				-					
	For Inter -	302	915	48	235	15	500	650	423	258 30
1	arrival time				. 14	1				
					1.	K				
	10 Probability = 1/8 = 0.125									
	so, Probability = 1/8 = 0. 125 since customer assive has the same probability of occurrence									
								0		. ,
									3	
	2 a									

1	Date		
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	time between arrival	Probability	lumutative	fandom digit for
CO ABO	10stanta 20	and the same	in a discolor	assignment
4100013	Time inter	A 15-	1.0	Will Marine &
- 6 1	2		0.125	1-125
	3			126-250
	4		0.375	251-375
	5	0.125	0.5	376-500
	6	0.125	0.625	501 - 625
	7	0.125	0.75	626 - 750
	8	20.125	0.825	751 - 87.5
The state of	1.2	0.125	0.1	876-1000
	Company Right		Di li levice	19 14 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Service Time	Probability	amulabica	Λ .
		- +1x0 0 000	Transcim A S	Random assignment
	2	0.10	0.10	TO HE PERSON !!
		0.20	0.0	1-10 1
	3	0.30		11-30
	4	150.25	0.60	31-60
	5	0.10	0.85	61-85
	6	0.05		86-95
1938 - 1			. 1	96-100
	162 100	131 339	D' 15	the state of the s
			10 (00)	- will all all
		1811		1 mid 10 00
	The state of the s			
My MAN	( Aline		11.0 611	Fldile 1 1
	A Land of the state of the stat	1 100 000 09	JUN TON YOU	and the same

Date , Page No.

Customer	Enterarriva	Service	Agrical	Fime spring begins	weiting time	fime service ends	Time customy spends	Tale time
	3	14.	3	3	0	7	4	3
2	8	3	11	11.	0	14	13	4
3	1	4.	12	14	2	18	6	0
4	2	4.	14	18	4	2.2	8	0
5	1	2	15	22	7	24	9	0
6	4	4.	19	24	5	28	9	0
7	6	2	25	28	3	30	5	0
8	4	4.	29	30	1	34	5	0
9	3	5.	32	34	2	39	7	0
10	6	2	38	39	1	41	3	0
		2=34	1			Wird.	12/1	5=7

a)	Probability that a customer has to wait = no. of customer's who wait
4.	Cotal. is of customer
	2 8
	10
	8.0 = 0.8
6)	Probability of server being idle = rotal idle time of server = 7 =0.47 Total runtime simulation 41
1	Avg. service time = total service time = 34 = 3.4
0)	cotal no. of customers 10
	U