Suppose maximum inventory level M is Il Muits and review period N is 5 days, estimate by simulation average ending thirts in inventory and no. 0/ days When a shortage condition Occurs. Initial simulation has started with inventory level of 3 Muits and an order of 8 Muits scheduled to ansière in 2 days time. Simulate for 3 Cycles (15 days) The probability for daily demand and lead time is given in table.

	Demand	0 1	2	3	4	1	7.			
	Demand	0.1 0.25	0.35	0.2	0.1					
					,					
	Lead time	11/2	3	4	<i>(</i> *,)					
	Boros	0.6 0	3 0.1		7 100					
	Lead time 1 2 3 porob 0.6 0.3 0.1									
	RD for de	, 65,8	1,54,3	3, 87, 27	,73,70,	,47				
	RD for demand 24, 35, 65, 81, 54, 3, 87, 27, 73, 70, 47 RD for lead time: 5, 0, 3 45, 48, 17, 9									
Step1:	: RD foor daily demand distribution									
,		1 0					4			
	Demand	Prob.		lative	Kan	Rambon dizit				
				P506.		Assignment 01-10				
	0	0,1		0.10		1				
	1 1	0.25		0.35		11-35				
	2	0.35		0,70		36 - 70				
	3	0, 2		91		71-91				
	4	0, /	1	00		92-00				
			, ,,							
Steps:	Lead time	: distns	sation	· · · · · · · · · · · · · · · · · · ·						
	7 14.	7				7 ~ 1				
	Deadtin	e Pros	1 //	fros. 0.6 0.9		R DA				
	-	0.6	1 /			1				
	/					1-6				
	2	0.3		1.0		7-9				
	3	0 - /				Og				

LD for demand: 24, 35, 65, 25, 8, 85, 77, 68, 28, 5, 92, 5 49,69,70. RD for lead time: 5,0,3 Plax Truntory level Mis II Mists

Review period - Nis 5 days

Arg ending Units ->? Sohn Avg ending elmin,.

No. 9 Shortage days ->?

Initial Towertony Level -> 3 elluits

Onder 9 8 limits beheduled to a provincia 2 days time

[i.e. 8 3 day] To Stimulate: 3 Cycles.

		Sin	mate	in for	N*N	Twent	sy s/n					
	/	Simulation for M*N Twenting s/m. 151 15t Write Untill										
0.4	Cycli	e with	Beginning	RDfor	Demand	Ending	Shortage grantity	Onder	RD			
7	V	cycle	2 mentry	Demand		Inventory	Quantity	2 ty	lead	Time	Contro	
		0,	3 .	24	1	2	0	-0	cime			
		2	2	35	1	10000	0					
	1	3	1+8=9	65	2	7	0					
1		4	7	8/	. 3	4	0	11-2=9	5	,	/	
5		5	4	54	2	2						
é		1	2	03	0	2	0					
7		2 .	9+2=11	87	3	11-3=8	0					
(8)	2	3	8	27	. 1	7	0					
7		4	7	73	3	4	0	11-2=9	O	3	3	
10	Section Constitution of the Constitution of th	5	3. % 2. 2. 3	70	2	2	0			Marin Charles		
11		1	Z	タフ	2	0	0			The same of the sa		
12		2	0	45	2	0	2			100 mm		
13	3	3	0	48	2	0	2+2=4					
14		4	9	17	i	9-5=4	0	11-4=7	3	,	,	
15		5	4	09	0	4	0					
			, , ,	-						Sav	ne	
	-									Va	nes	

Average Ending Twentony = Total No. of Ending Imenting
No. of days

= 47

=3.133

No. of day shortage Ilmits = 2