

	Question no #1
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police where the second reservoir is an experience of the second reservoir in the second reservoir is the second reservoir in the second reservoir in the second reservoir is the second reservoir in	Time Period Gueral
	Time persion 1 2 3 4 5 Minimum number
	Time persion 1 2 3 4 5 Minimum number of Agent needed
	6:00 Am to 8 Am /
	8:00Am to 10Am/ V 70
	1:00Pm to Noon V 65
	Noon to 2:00 Pan V V 87
	2:00 pm to 4 pm V V 64 +:00 pm to 6 pm 8 V V 73
6	100 pm to 8 pm VV 82
8:	00 pm to 10:00 pm / 4 3
10:0	Jopan to Midnight VV 52
Midn	rigt to 8:00 am 15
Daily	Cost per Agent
end ground their season durk a new remaining consistence on	Minimize $Z = 170_{N1} + 160_{N2} + 175_{N2}$
An one Contract of the Contrac	+ 180 x 4 +195 x
	Subject to
	χ_1 7 = 48 -7 (a)
Marinette (1918) Marinette (1918) a a a a de la companya de la companya de la companya de la companya de la co	1/1+1/2 $2'=79-2(6)$
estang a casa menangan pagan anakaran sahar	

 $M_1 + M_2 + M_3$ 7 = 87 - 00 $M_2 + M_3$ 7 = 64 - 0013 + 14 7 = 73 - 7 (f)2/3+2/4 7=82-3(9)7 = 43 - 3(h) M4+115 7 = 52 ->(i) 75 7 = 15 -> (j) from eq, (a), (b) 8; 1 = 48 N4 = 43 115 = 15 as in eq. (c), 65 is lesser than 79 in eq. (b) so we neglect eq (c) now we nowe N1 + 12 = 79 Putting the Value of 1/2 49 + 1/2 = 79 ×2 = 31 From 1/3, we take eggg as in eq (q), 82 is greater than other eq (t, h,e) sol So taking equation (g)

N3 + M4 282 213+43=82 N3 = 39 / Now we have (x1s, x12, x13, 7435) Values (48,31) 39, 43, 515) respectively. Now the minimize equation. $7 = 170 \text{ n}, +160 \text{ n}_2 + 175 \text{ n}_3 + 175 \text{ n}_3 + 175 \text{ n}_3 + 175 \text{ n}_3 + 175 \text{ n}_4 + 175 \text{ n}_3 + 175 \text{ n}_4 + 175 \text{ n}_5 + 175 \text{ n}_5$ 180 24 + 19545 7 = 170(48) + 160(31) + 17 5(39) +180 (43) + 195(15) 7 = 30650

	Question no#2	Print to configuration in the configuration of the
	1)	
And the state of t	Maximize Subject to:	
and a supplementary or a supplementary of the supplementary or supplementary or supplementary or supplementary		
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	$-2\chi 1 - 4\chi 2 + 0.5_1 + 5_2 = 13$	
	-4n1 + 3n2 + 8n3 + 0s, $+0.52 + 5s = 12$	
	C; 1-3 3 0 0 0 13	IDI
	CB Basis 11 x2 x3 S, S2 S3 7	
	$0 S_1 3 -1 2 1 0 0 12$	
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Cjz =0 for Minimization product These is no negative volue N1=0 N2=0 Min(2)=0 Co 2 = 5(0) + 3(0) 3) = = 211-112 + 213 Maximize subject to 2x1 + 7/2 L=10 n, +2m2 -2m3 L=20 11 +2×13 L=5 L = 21, -12+ 213 +05, +052+03 2x1+x2 +0x3+S1 +052 +083 = 10 N1 +2x2 -2x3+OS1+S2 +S3 = 20 21, +0x2 +2x3 +0S1 + S2+53 = 5

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Optimal Solution

NI = 5 N2 = 0 N3=0

E C moninum Volue = 10 Check: Z = 211 - 12 + 213 = 2(5) - 0 + 2(0)Z = 10 (Confismed)