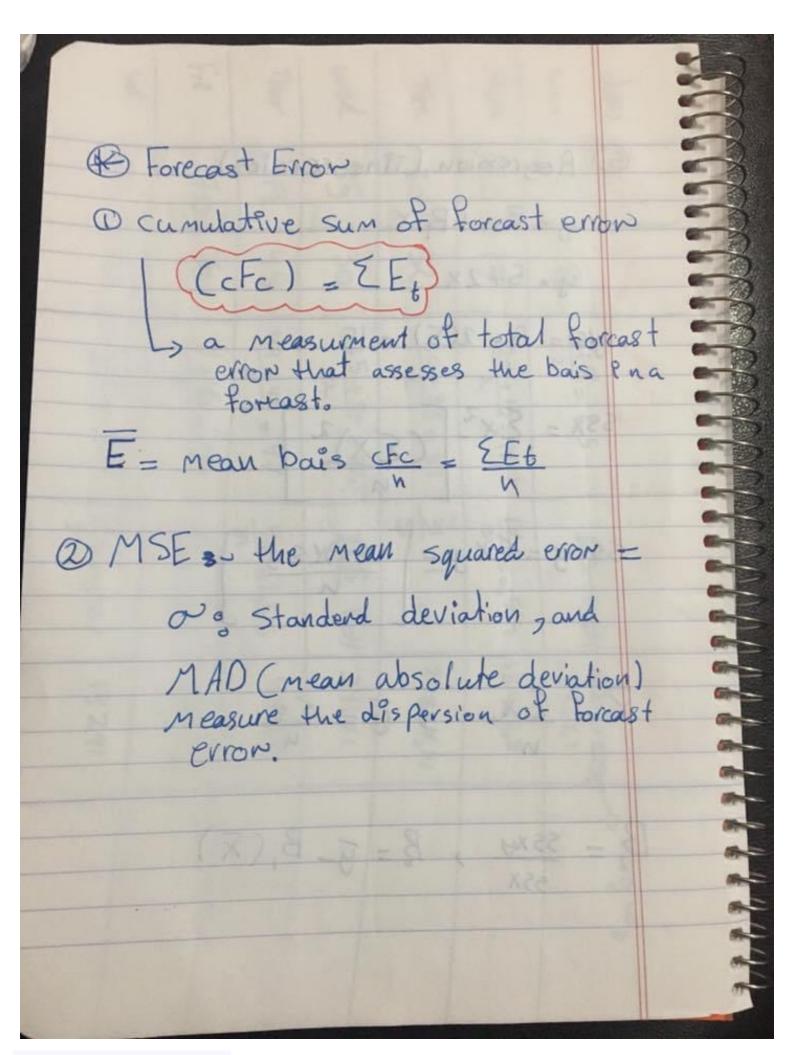
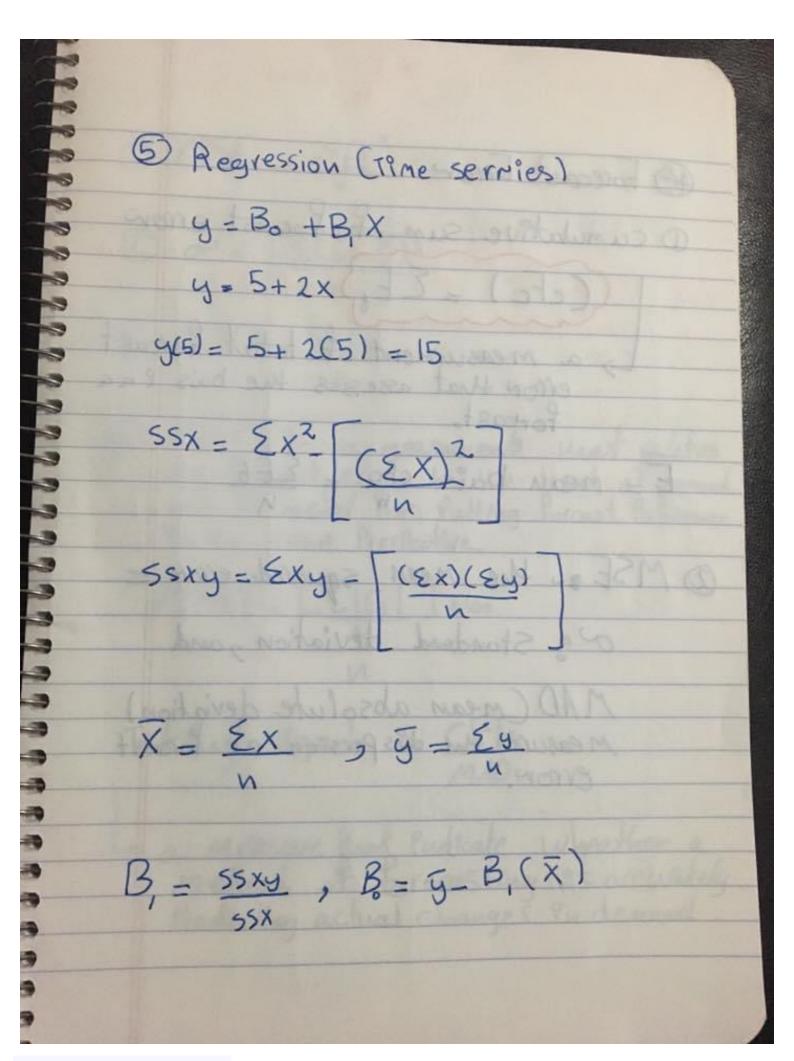
A IL L			FERE
Alternative	t avorable Market	un-favorate market	
Construct Large Plant	200 000	-186 00	
Construct Small Plant	100 000	-20 00	
Do nothing	0	0	94
Max /	Min 1	Ave	TANA DE
	1	10 000	200 000 + -7 -180000 2 -7 100 000 + -20000
100 000 -	20000	40 000 -	7 100 000 +
			6

=10,2%

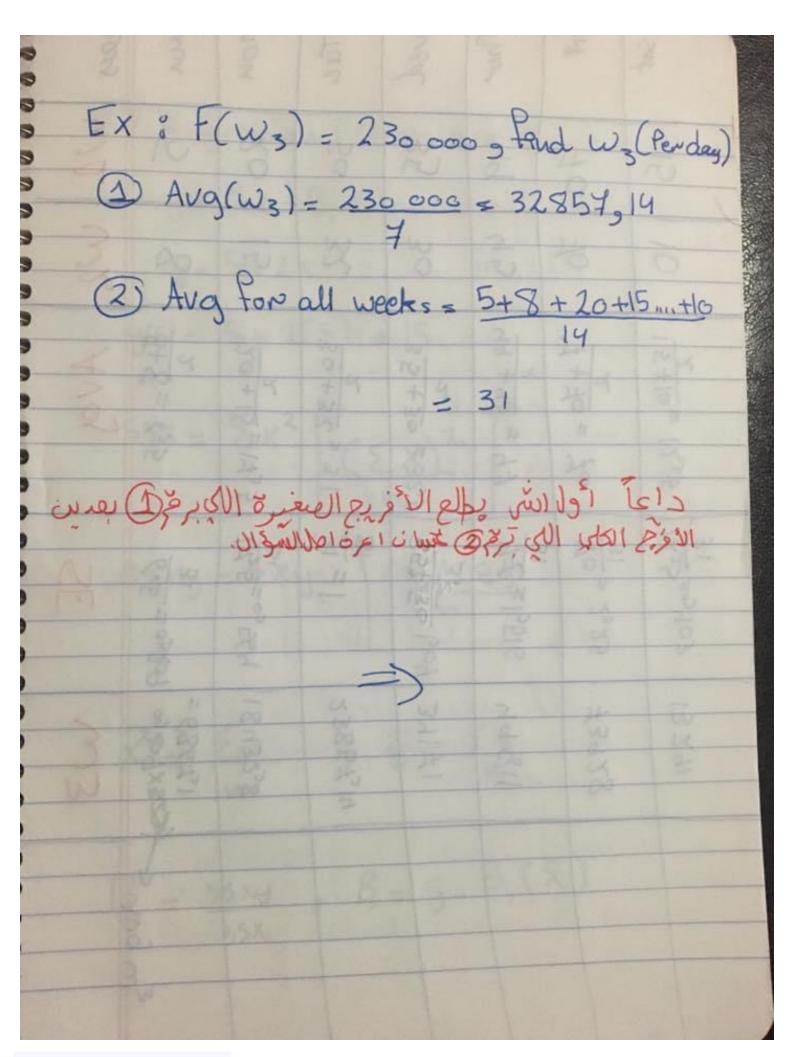
	MAD.		ulate	Et 1 x 100%  CFC  Et 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	M SE		
a sikely	$2Et = -15$ $2Et^{2} = 5,275$ $2[Et] = 195$						

OMSE = EEt2 2) 0 = \( \subseteq \( \text{E} \)^2 MAPE: - a measurment that relates
the forcest error to the level of demand
and is useful for futting forcast Performance In the error Perspective MAPF = [E|Et] xloo Taking signal & CFE > a measure that Endecate wheather a method of forecasting as accurately Predecting actual changes in demand

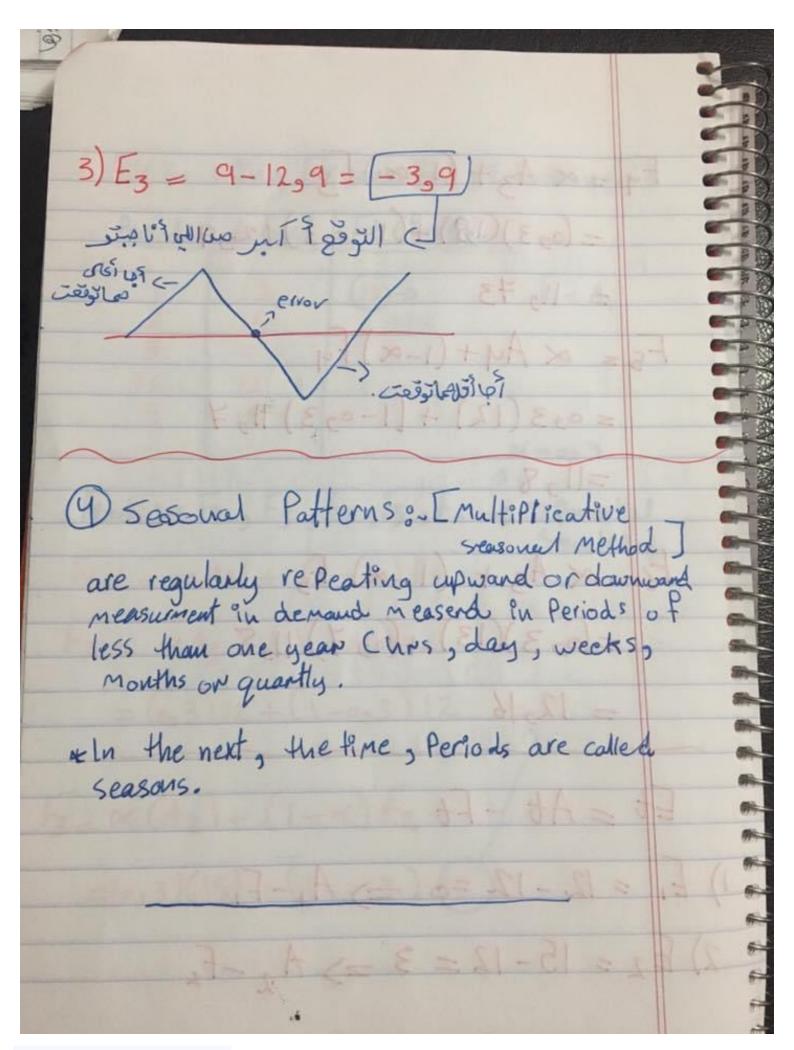


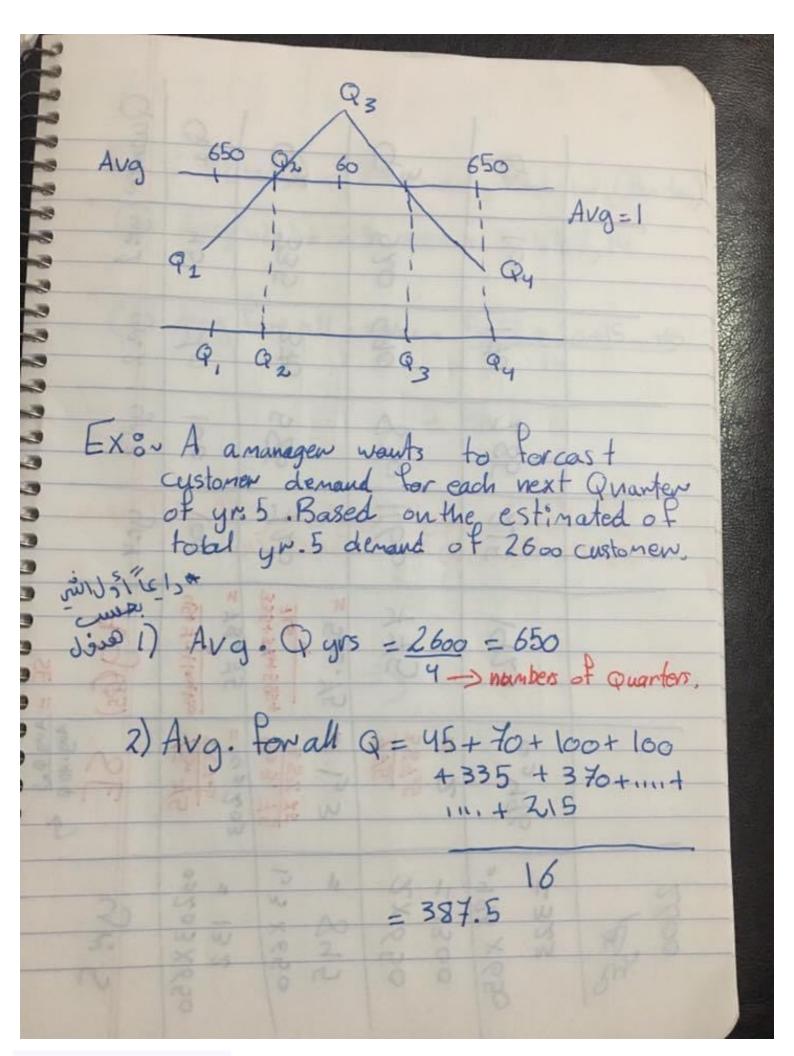


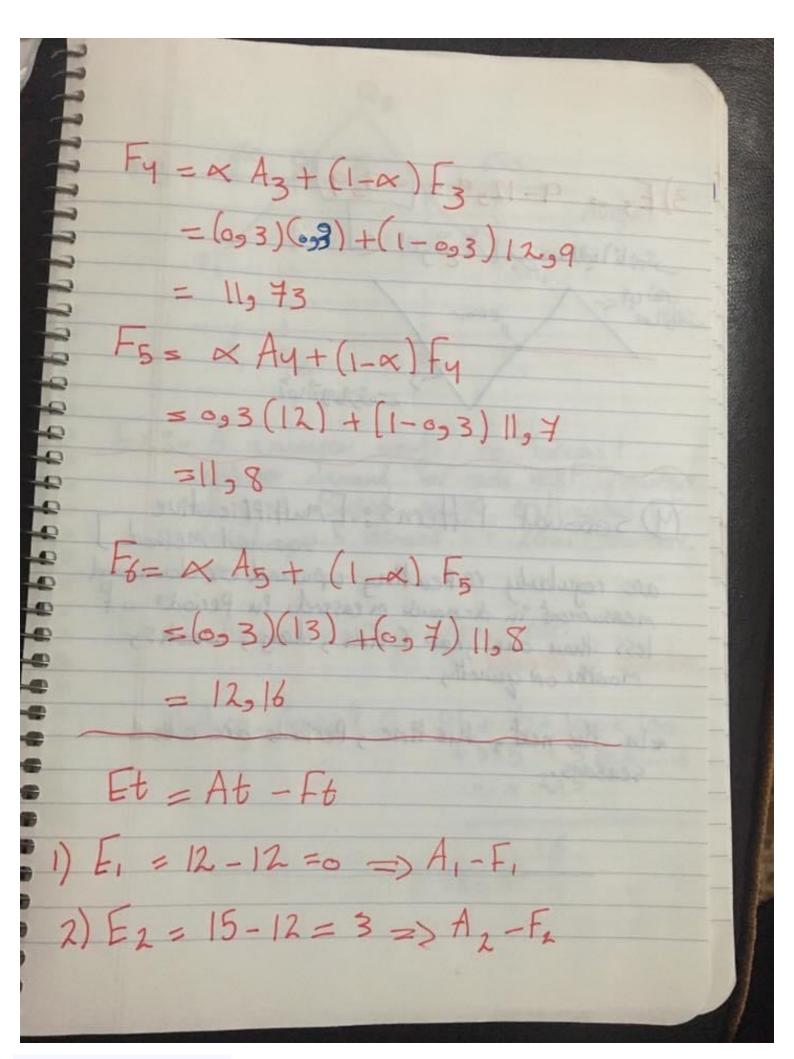
Z	F	Thur	wed	Tue	mon	Sun	dans	
5	40	Ph h	35	30	20	J	2	
0	84	45	30	32	15	B	W2	
15+10= 1295	7+40= 70	44 = 5x + bh	35+30 = 32,5	30+32 > 31	20+15=14,5	5+8=6,5	AVO	
31 309403	31 = 2,25	31 × 15516	39.5 1,04	17	13500=3年	31 31		PPPPP
13241	73928	118 bh	14148	23857,14	18432 <sub>5</sub> 8	15,4989=	The state of the s	V V V V V V V V V V V V V V V V V V V
							Em bory	1 1 1 1 1 1



LEON	Oz	Pw	04	0 4	Quarter
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	170	590	370	40	egra 2
t za	285	838	285	00	45.3
Che Selen	215	1160	725	(80	Jr. 3 Yr. 4
rolling to	1925	5kk	D 1 1	54°84 =	8
Total Hos	98460	2 = 2 5,486 5,486	54 788 54 788	202 203 2-425 54.84	Aug 9.5 Aug Au 6 5
2600	5496 X650 5323	2×650	2 845 1,3 x 650	e>203X650	SE = Aug 9.5 Aug. All 9 47





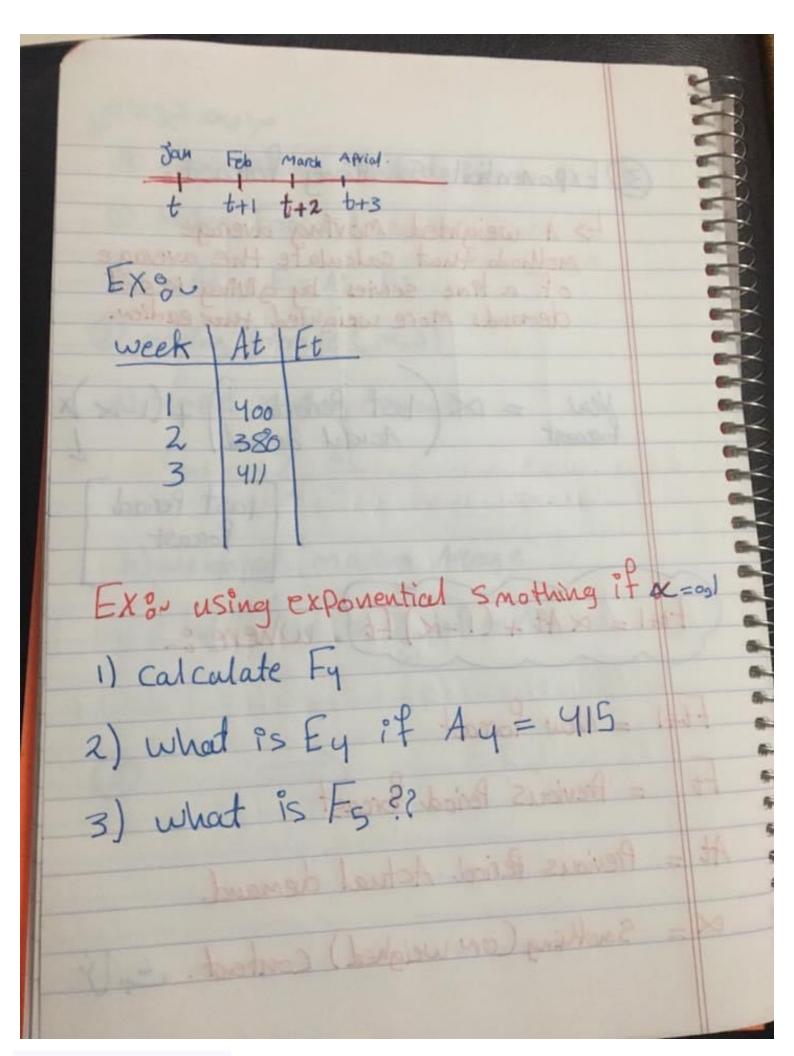


2 15 3	90 030
Fend on F2 2 F3 2 F4	$\chi = 0.3$
Fb+1 = × At + C1-	
$F_2 = \propto A_1 + (1 - a)$ $= (0.3) 12 + (1 - a)$	3) 12 = 12
$F_{3} = \times (A_{2}) + (1 - \times$	) F <sub>2</sub>
=(093)(15)+(1-	0) 5 1 1 2
	5

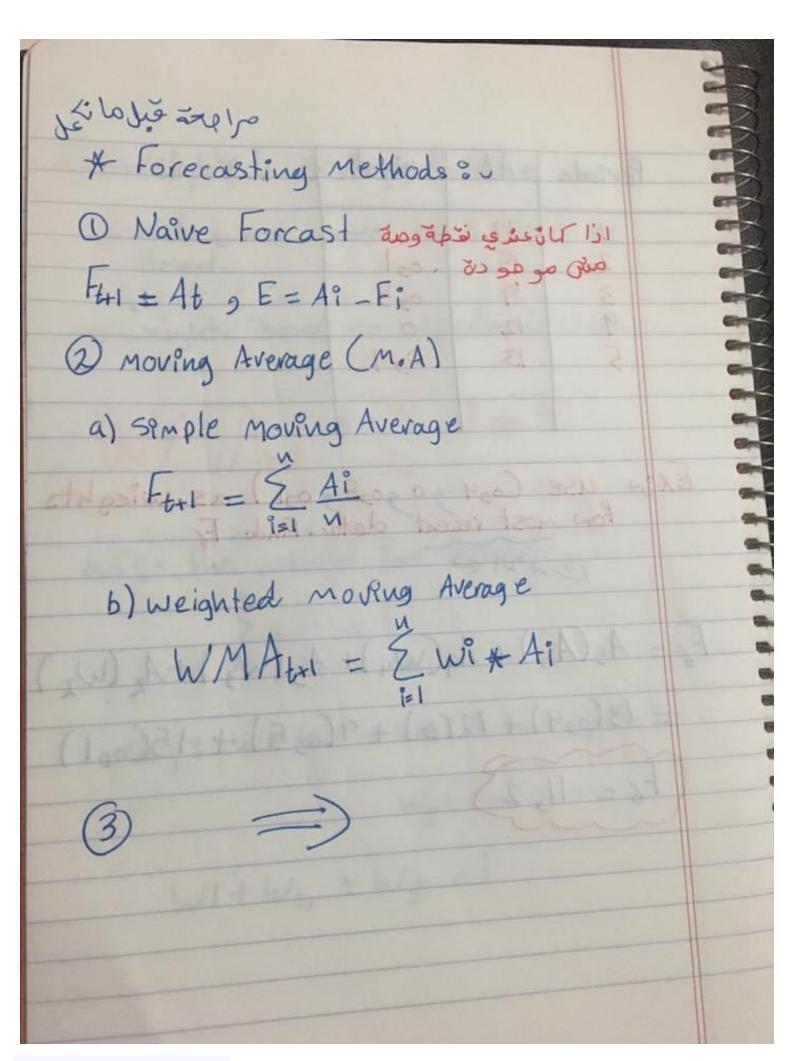
( Fy = x(A3)+(1-x(F3) - A - 1)+(EA) x = p7 ()

Liesies 1 7 x au

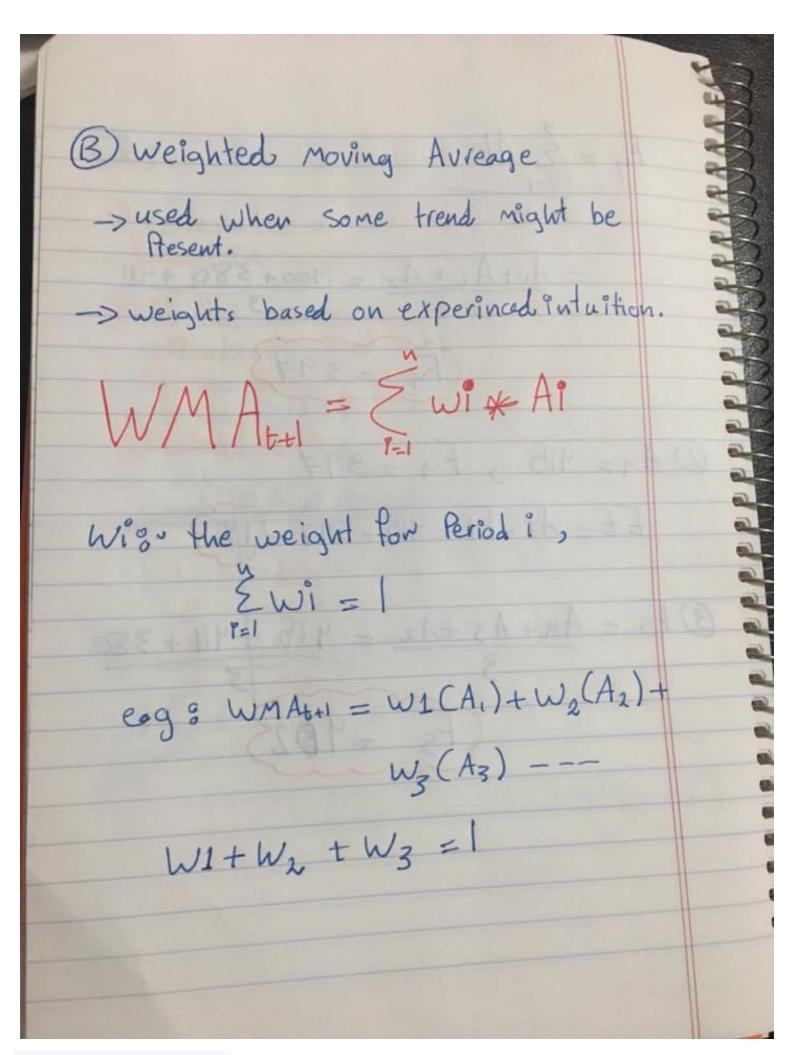
L  $F_3 = A_2 + A_1 = 480 + 386$ Fy = 001(411)+009(390) = 39201 Ey = Ay - Fy = 415-392,1 = x(Ay)+(1-x)Fy (415) og 1+ (10,1) 392,1 = 394,4

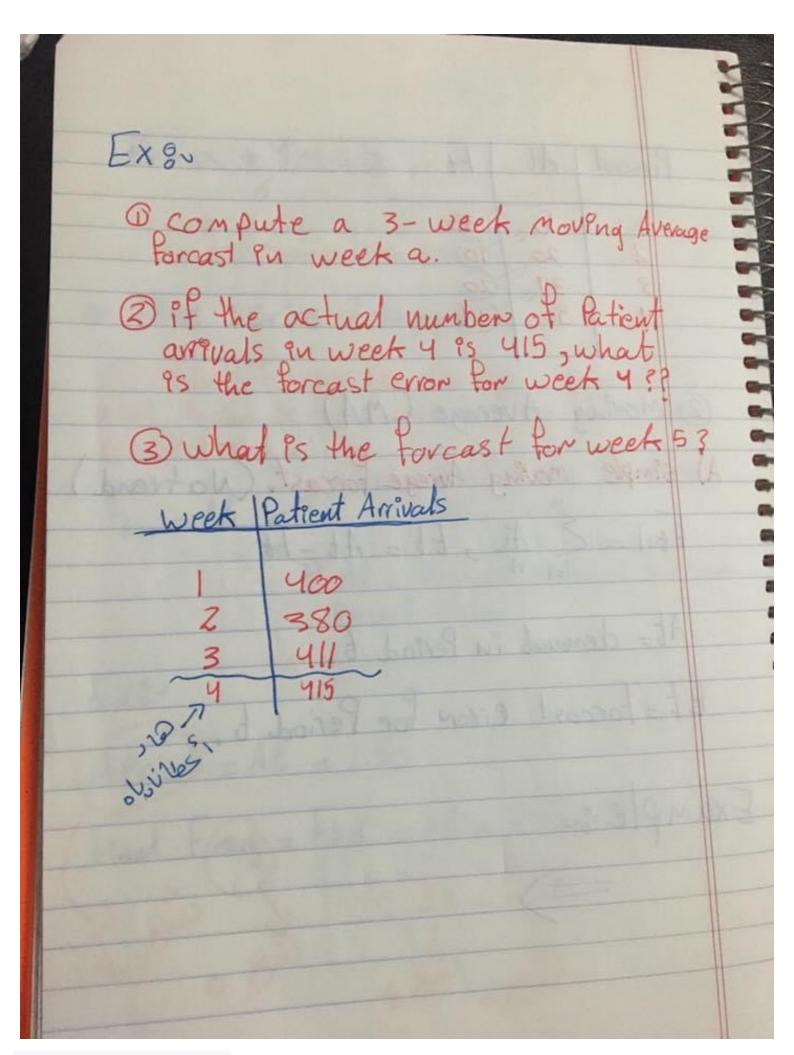


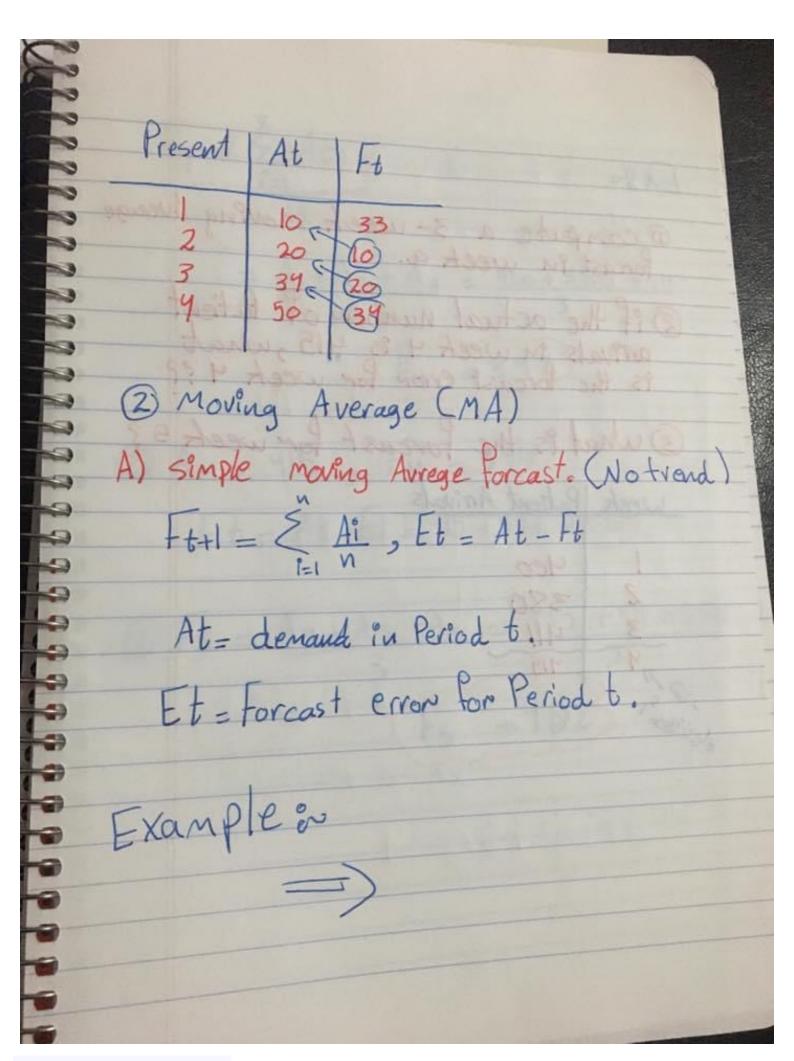
(3) Exponential Smothing forcast. -> A weighted Moving average method that calculate the average of a time servies by giving lecent demands More weighted than earlier. Jast Period t+1 = x At + (1-x) Ft = New foreast Previous Period forcast Previous Period Actual demande X = Snothing (on weighed) Content. in V

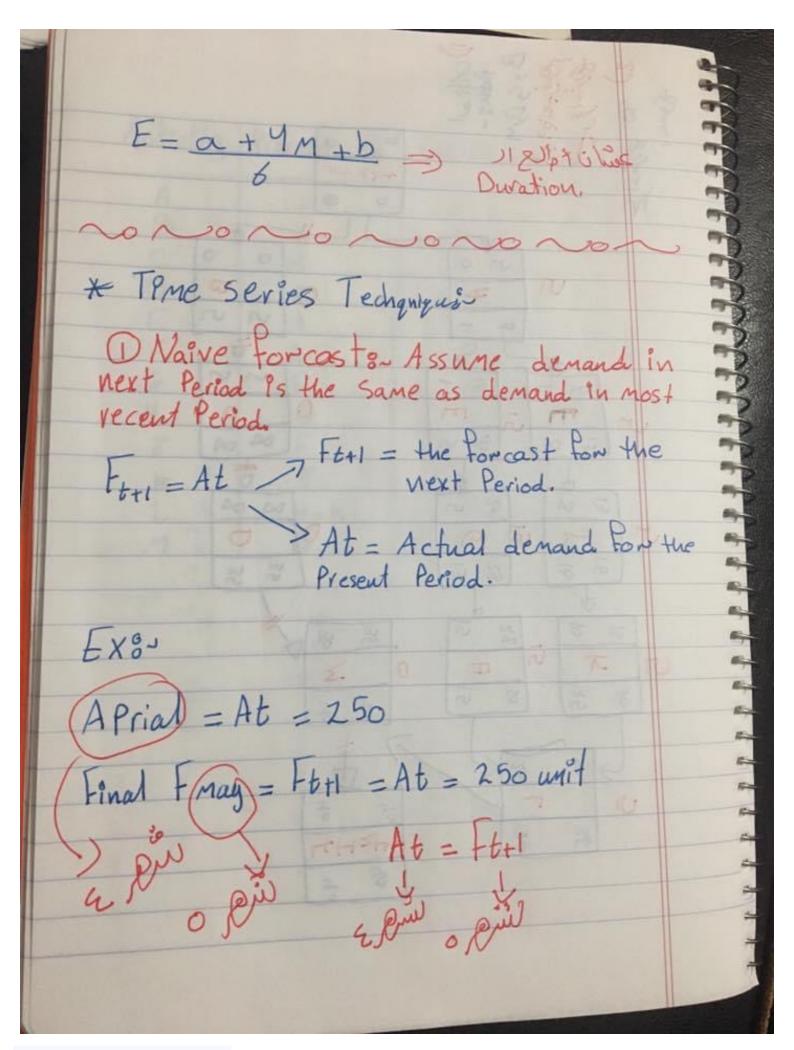


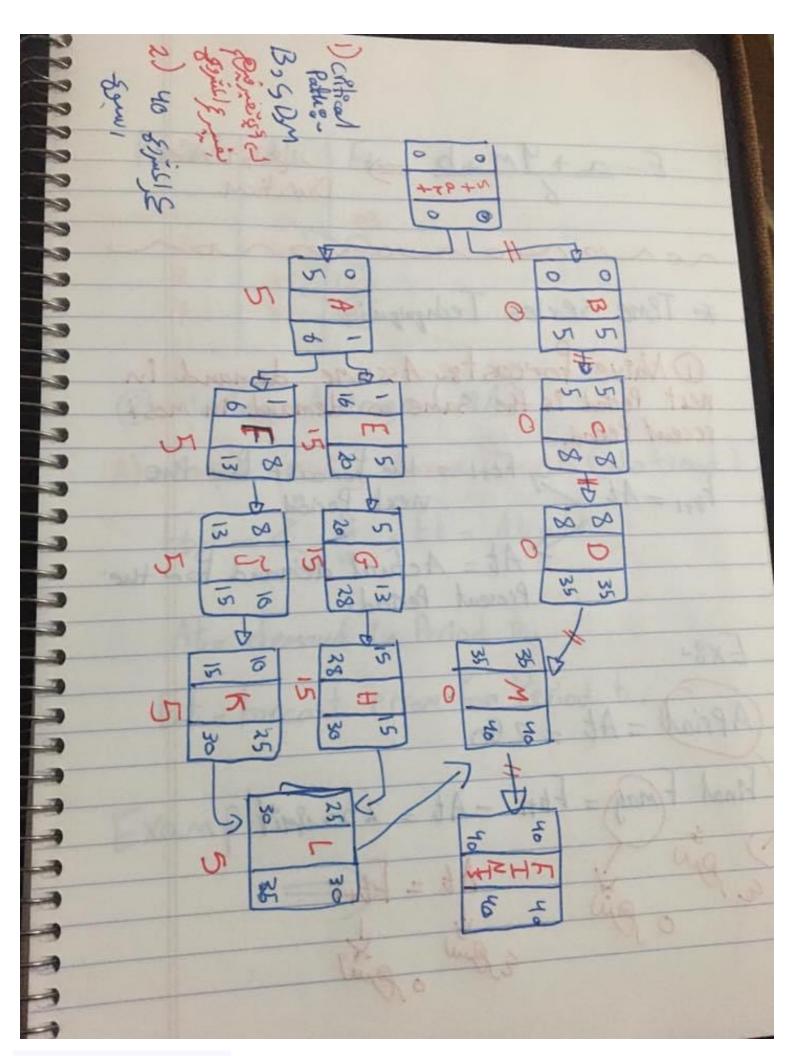
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	NEDIC -
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	5) + Ay(Wy)+ Az(Wz)+Az(Wz)
136	94)+12(0)+9(0,5)+15(0,1)
= 1510	
F6 =	11,2
; li	
•	TORREST AND DEPOSITE OF THE PARTY OF THE PAR
	Maria Care Website Connect -



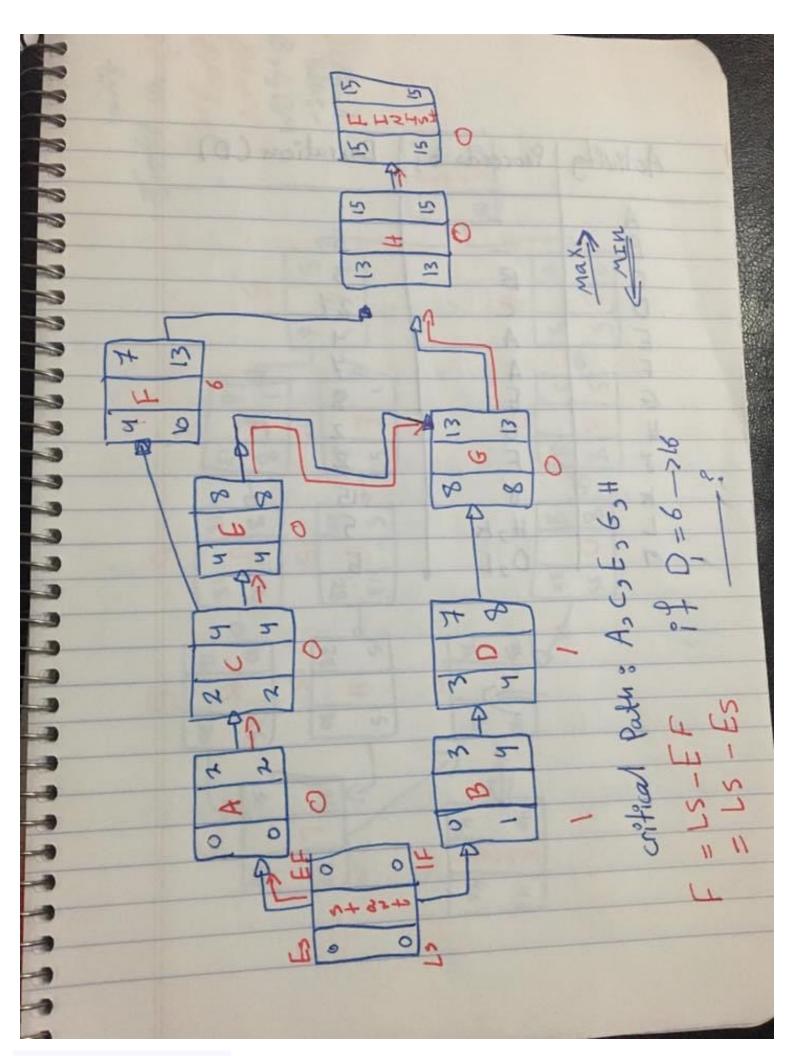






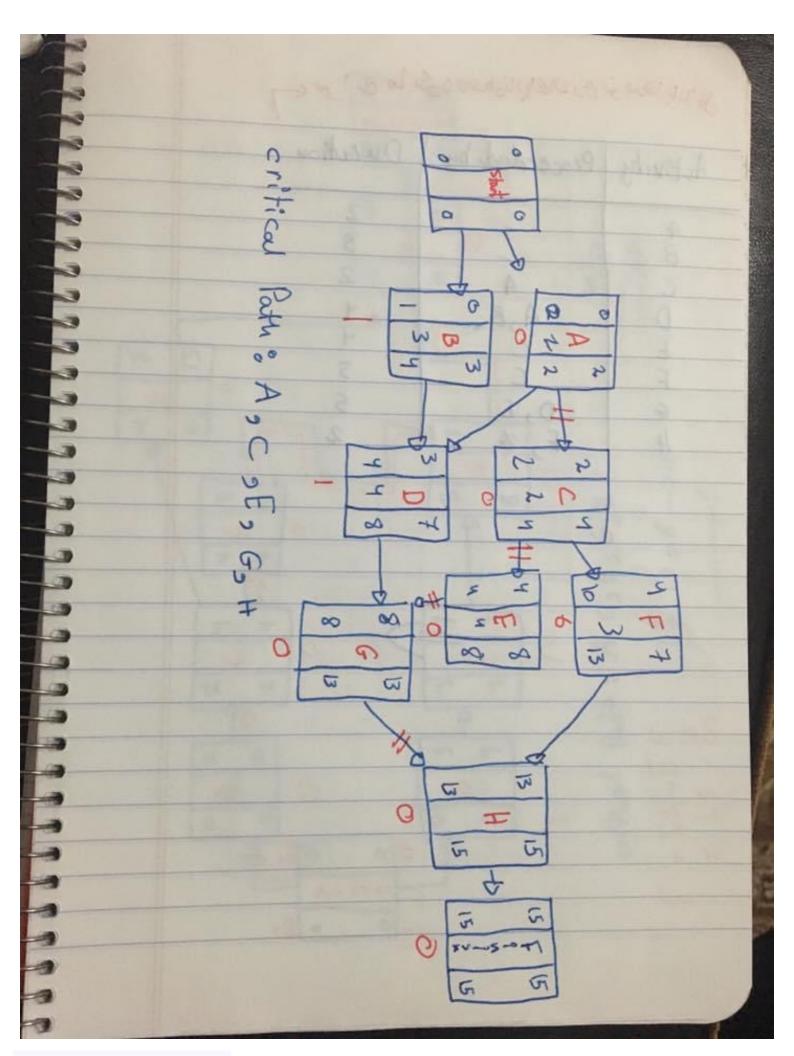


1 1 1	
Activity	Proceeds by Duration (D)
ABCOEFGH 5 KLM	- 5 B 3 C 2# A 7 E 8 G 2 F 2 S 15 H, K 5 O, L 5

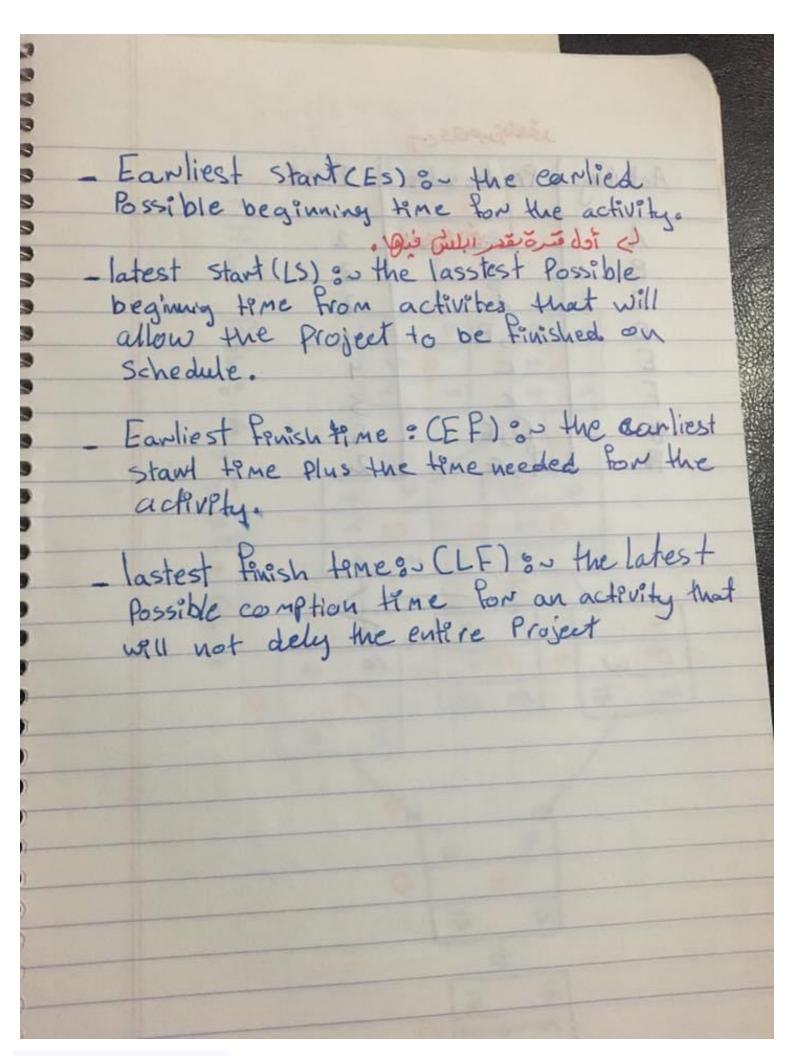


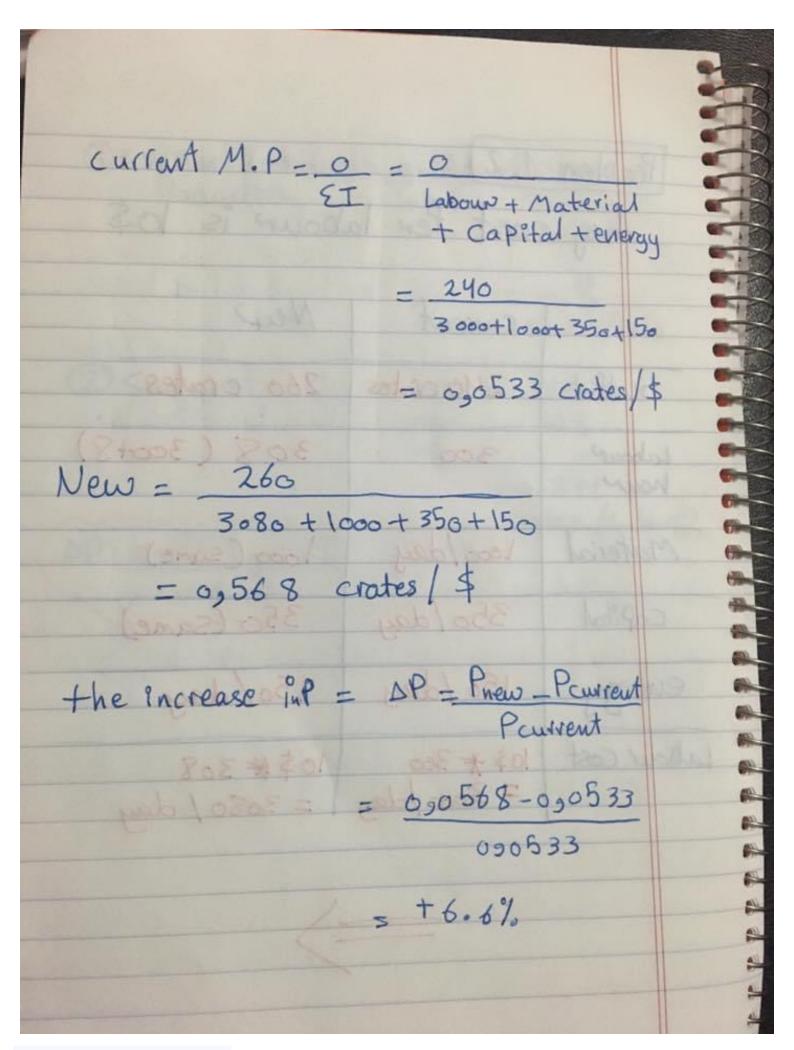
Uploaded By: anonymous

نو جرها بالأمل	كوى فعطينا ديم	رے مرا ہے مار
Activity	Proceeded by	Duration
ABCDEF GH	A A,B C D, E F, 6	2 3 2 4 4 3 5 5 2
12	J 0 00 = 1	
14	1 00 PE	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

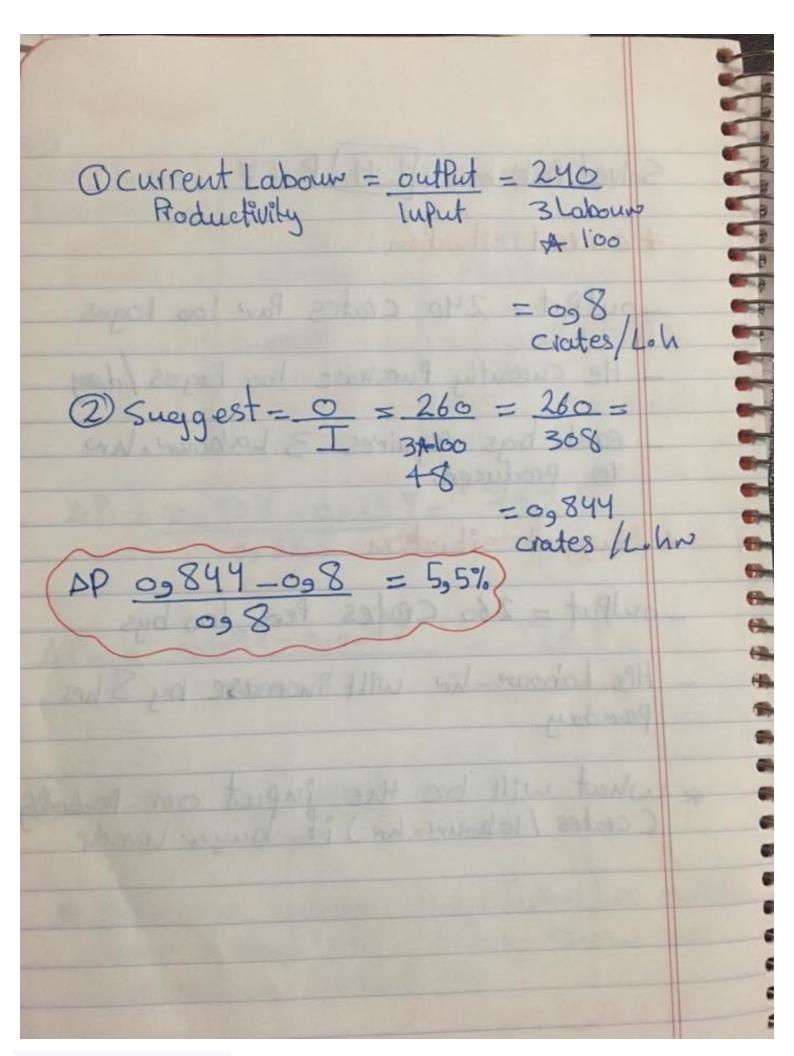


	9	
Activity	Predecesdre	Time 2
BCO	A A A, B	3 2 4
E	C C D,E	4 3 5
P	1 7,6	2 2 1 9 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
totalest test	to the Propert	

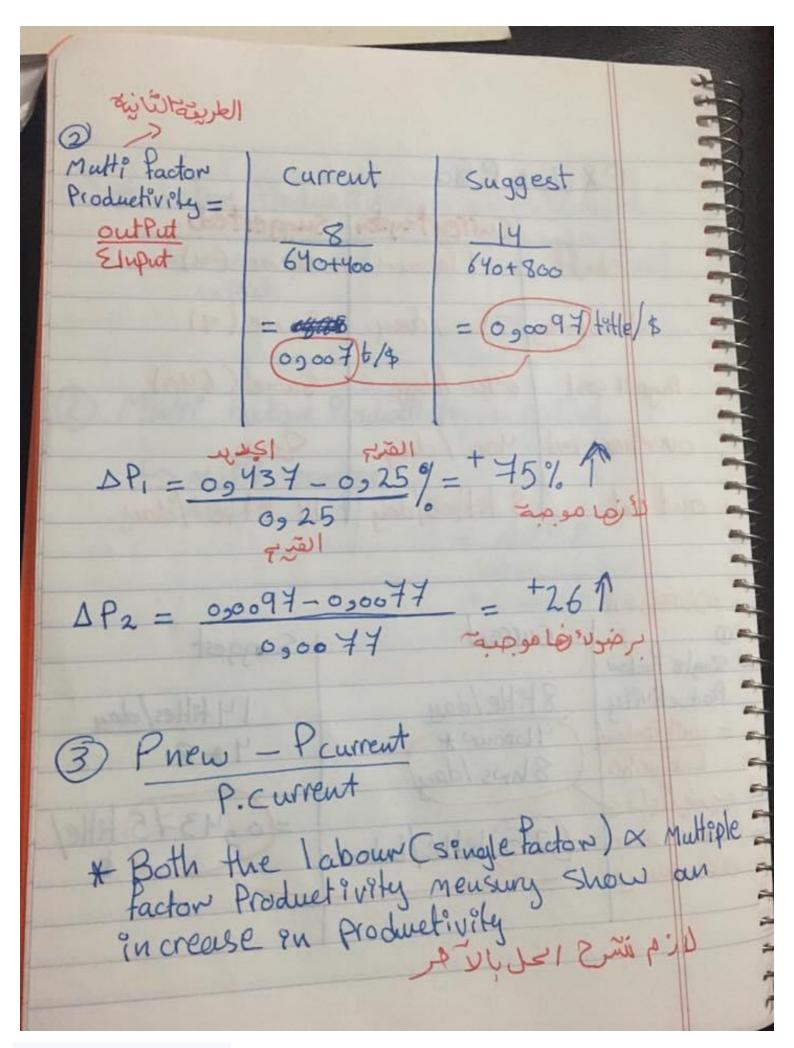




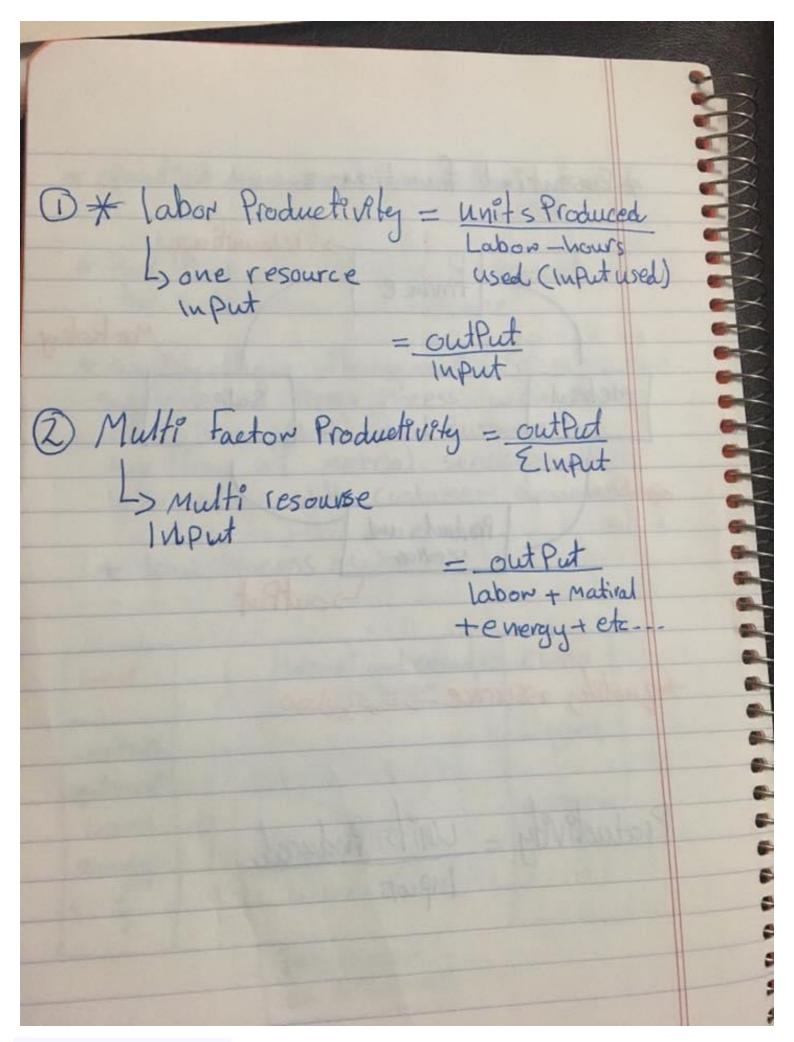
The state of the s	Problem 1.2)  Avg cost Per labour is 10\$					
	Current	New				
outPut	240 crates	260 crates				
Labour	300	308 (300+8)				
Material	1000 /day	1000 (Same)				
Capital	350/day	350 (Same)				
energy	150 /day	150/day				
energy Labour Cost	10\$ * 300 = 3000   day	10\$ # 308 y = 3080 / day				
•	E0000					

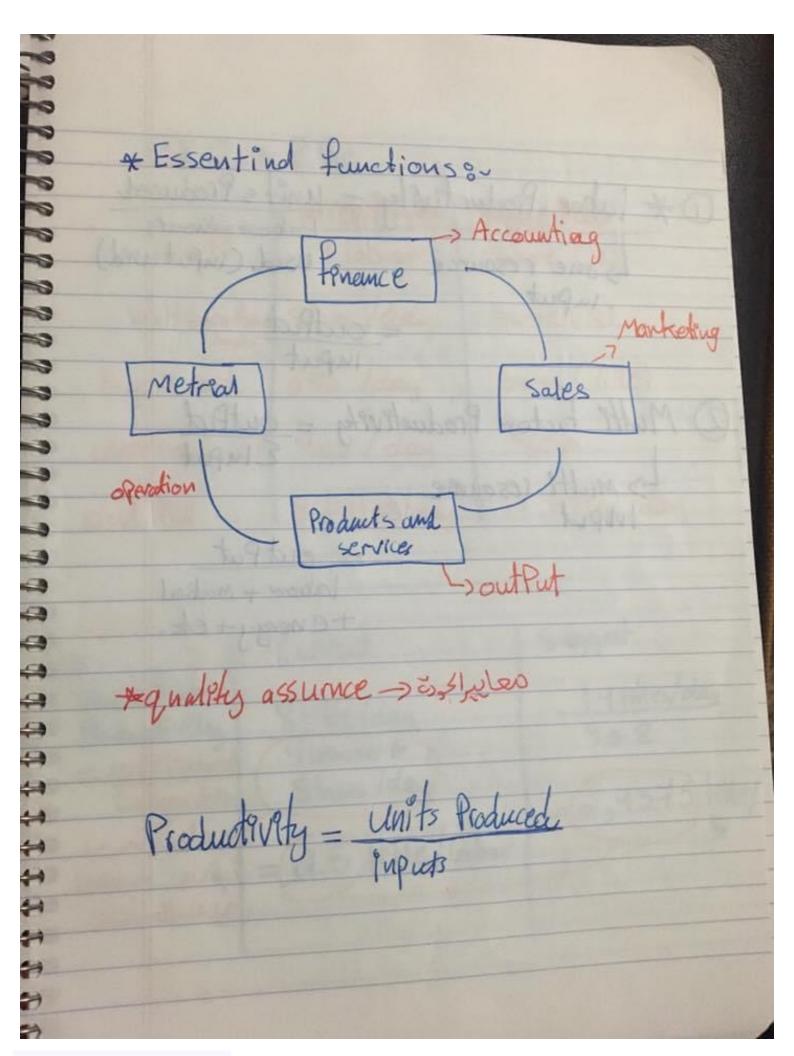


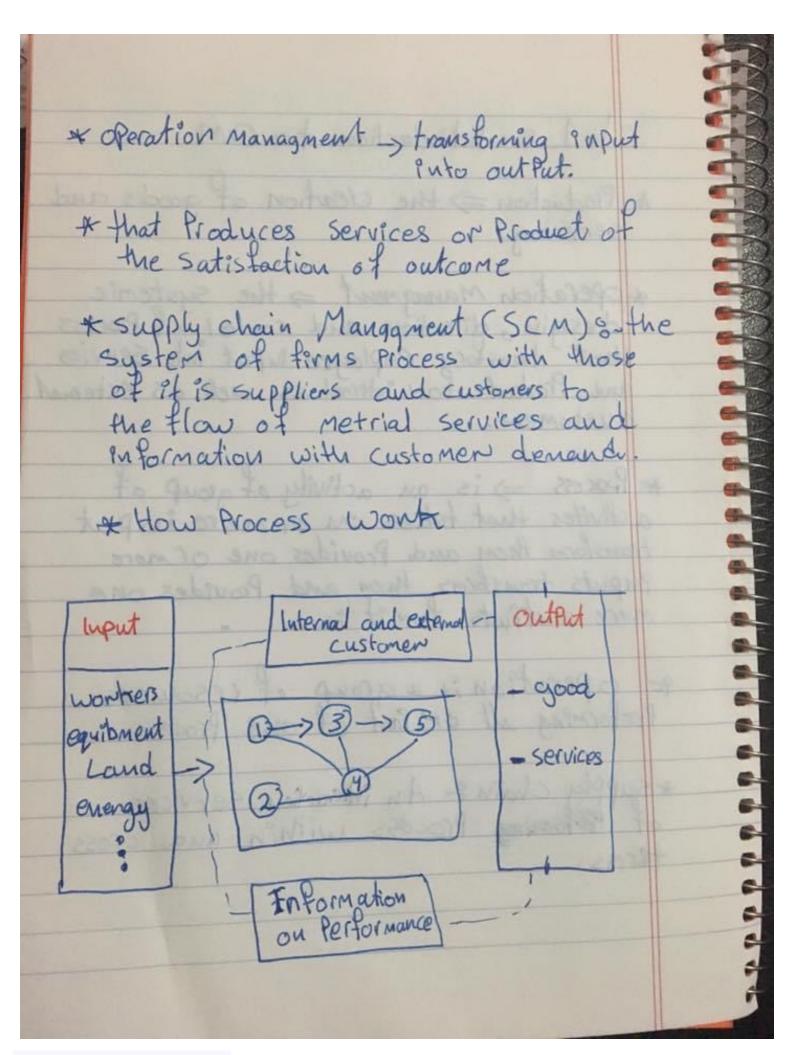
Solved Problem 1.11 P. 57 \* current situation -outPut = 240 crates Par 100 loges - He currently Purshase loo loges /day each bas requires 3 Labour. hw \* Suggest situation \_outPut = 260 Crates Per 100 bgs HPs Labour-hr will increase by 8 hrs Per day. \* what will be the input on Productibly C crates / labour. hw) if buyer hireday



E ex 2 8 P 50	
- 444	me (4)
W. H. > working 8 hrs / day sa	me (8)
Payroll cost 640 Iday sa	me (640)
overhead cost 400 / day	300
3 out Put 8 titles/day 14	totle Iday.
Single factor  Single factor  Productivity  - unit Adduct  Labour.hrs  Labour.hrs  Labour.hrs  Labour.hrs  Labour Iline  Current  Y Labour #  8 title / day  Y Labour #  8 hrs / day  Labour Iline  Current  Y Labour #  25) title / Labour  VISLUMDISCE	Suggest  14 filles/day  4 * 8  = 0 94375 fille/







Ch 1 & Introduction to OM \* Production => the creation of goods and servicing. \* operation Managnent => the systemic desgin, direction and control of Process 7 中中中 that transform employee suput into servies and Products for internal as well as external 77 customen. \* Process => is an activity of group of activities that takes on or more input 3 transform them and Provides one or more 20 Puputs transforms, then and Provides one 0 more outputs for it is 9 9 performing all or Pant of one Process. 3 -4 of Performing Process within and cross 0 9 terms. 0 notomotal 9