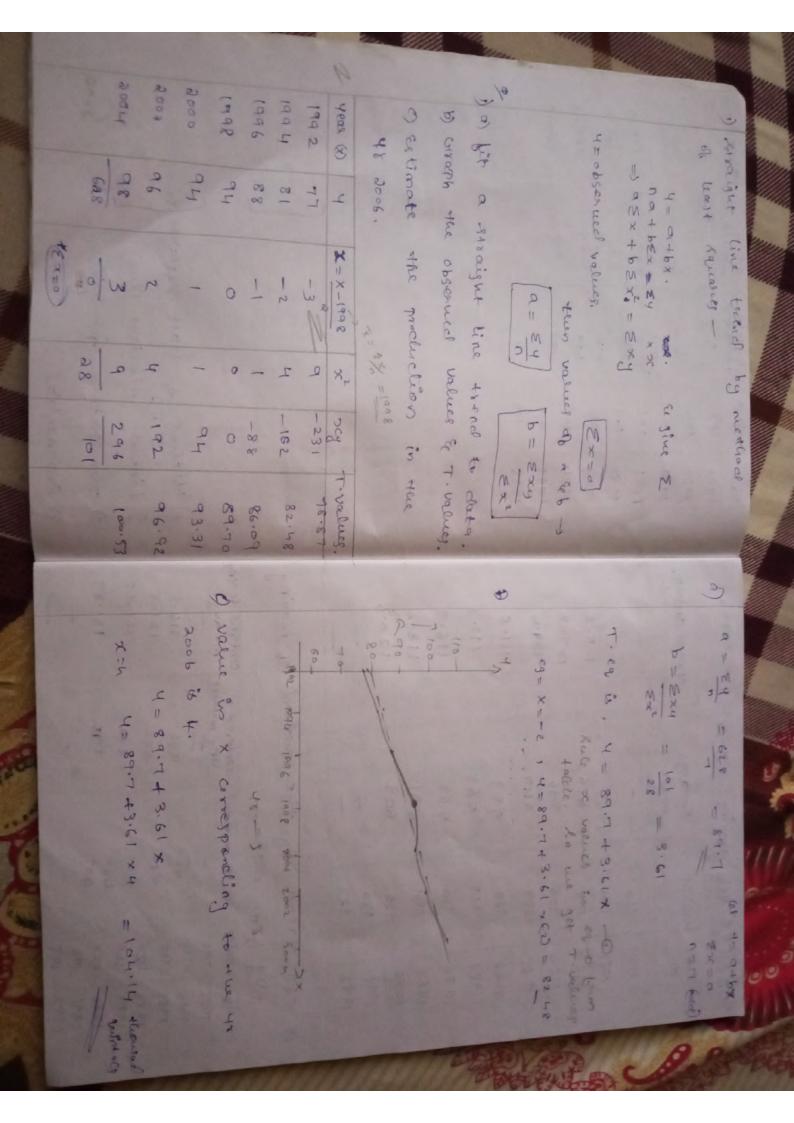
Time Series And Index Numbers chapter =1 Analysis of time series. \* Sem? Avg Method :-9 ) Draw a trend line by semi-ang method for following datayear production 0=8 55+62+65+58 55 3/2=4 2002 240 = 60 62 4 pasts 2003 60-12004 65 2004 58 2005 65 65+72+75+68 2006 72 2007 75 2008 68. 2009 Time Levies graph. 10 85-10 810 - 11 10d Hend Care 80-70-65 2002

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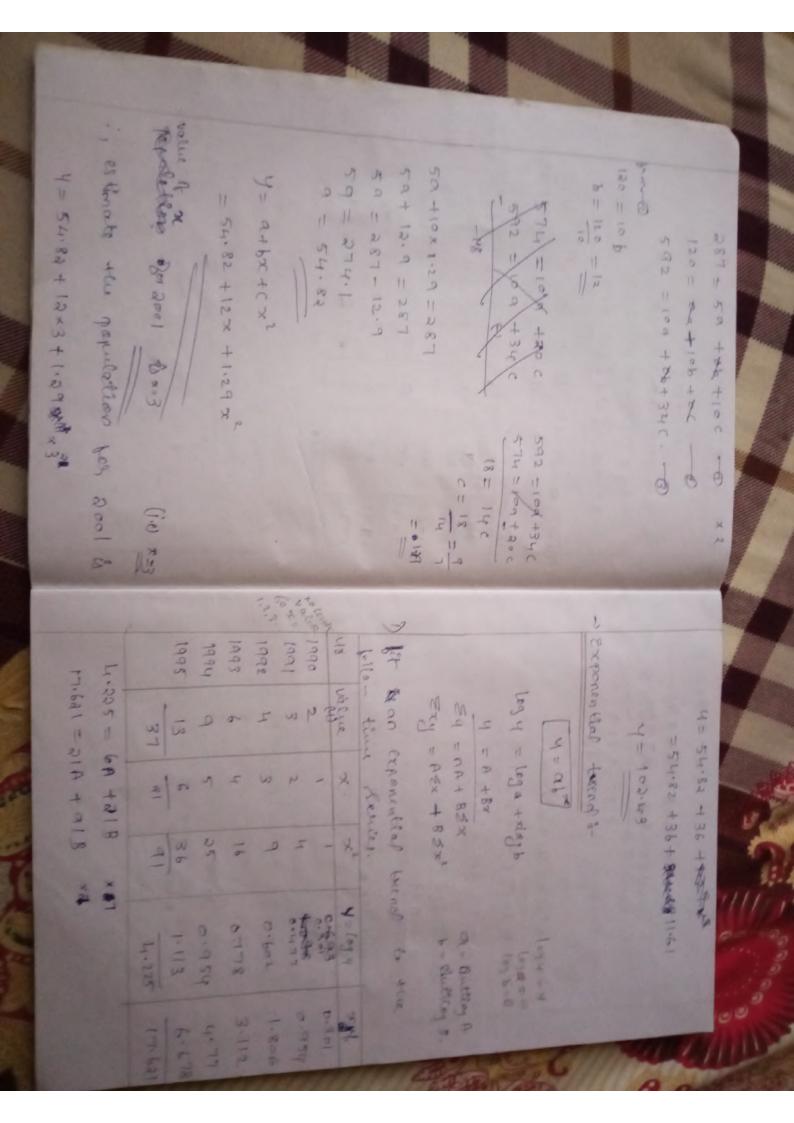
- fitting of parabola

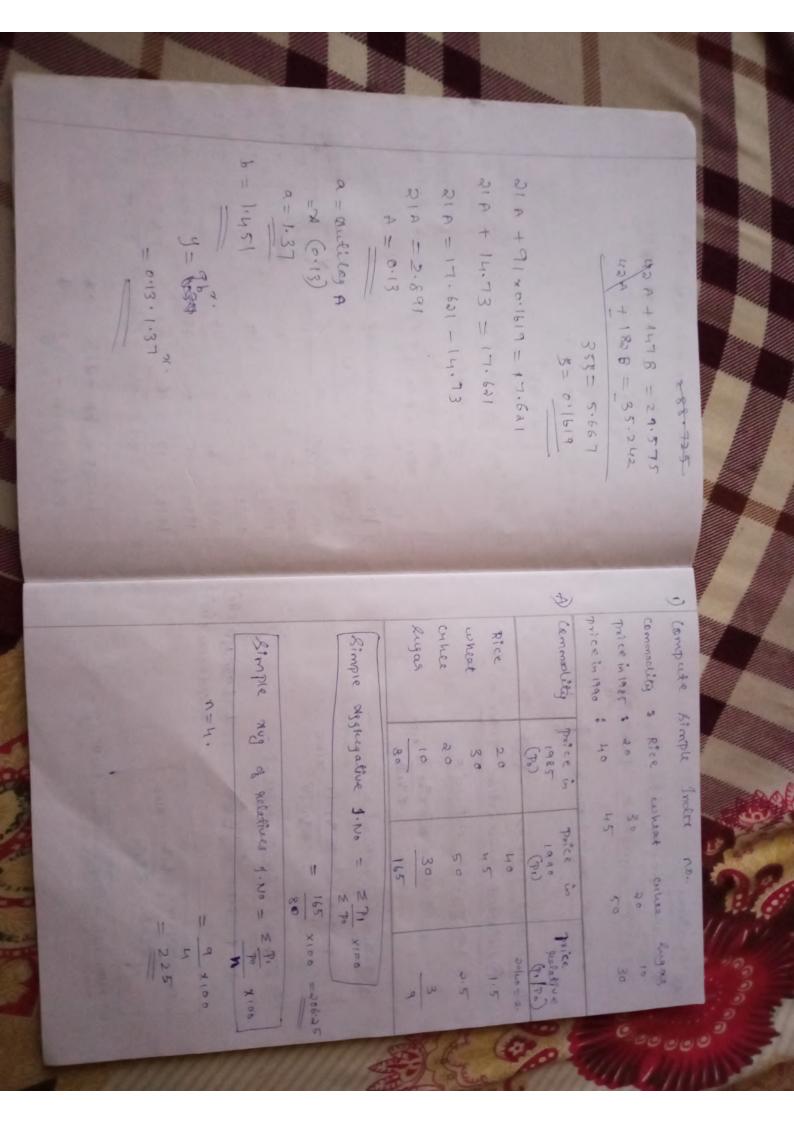
4= a+ bx + cx2

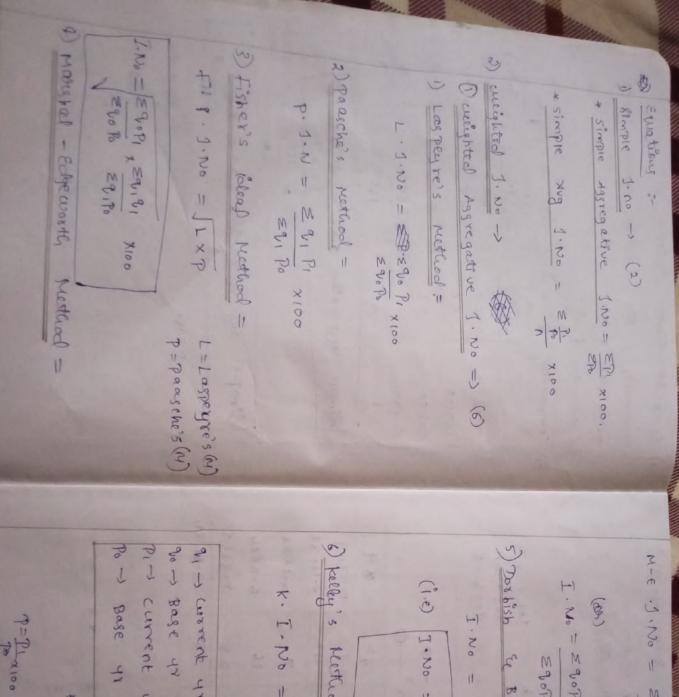
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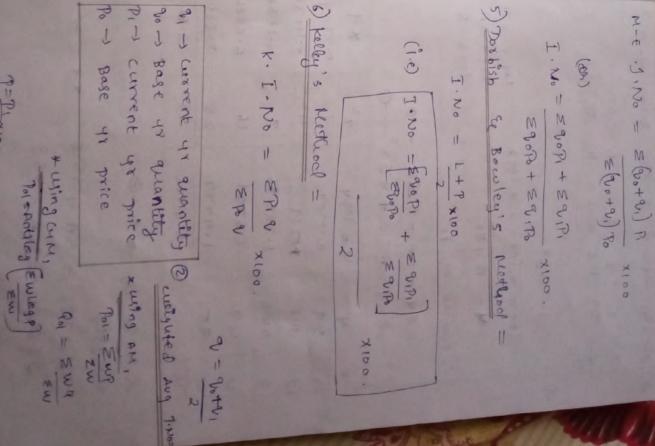
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2) abtain trend y- 5.9 11.8 is normal eg is, 24.2 9631 x + 6637 = h 601 · 4 - A + 8x. 8.11 8x4=45x + 85x2-0 EY = NA +BEX 4= 46x. From = h 1.385\$6 107 19 0.7709 1,9777 1.6721 6.8782 24.2 2 the boxes 4= 96 10 25 I h= h Ear tag a = A (ag b = B 60 140 4.1568 3.8885 4889.9 23.6484 2.1438 X

28.6484 0 15A + 55B = 23.6484

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8-0:30131

3:0138

15 \$ + 558 = 23.6484 15 A + 458 = 20.6346 10 B = 3.0138 B = 6.30138 B = 6.30138 S A + 4.5207 = 6.8782 S A = 2.3575 A = 2.461 A = 2.461 D = autility (6.30138) b = autility (6.30138)

eur get,

23.6484 = 15A +55B

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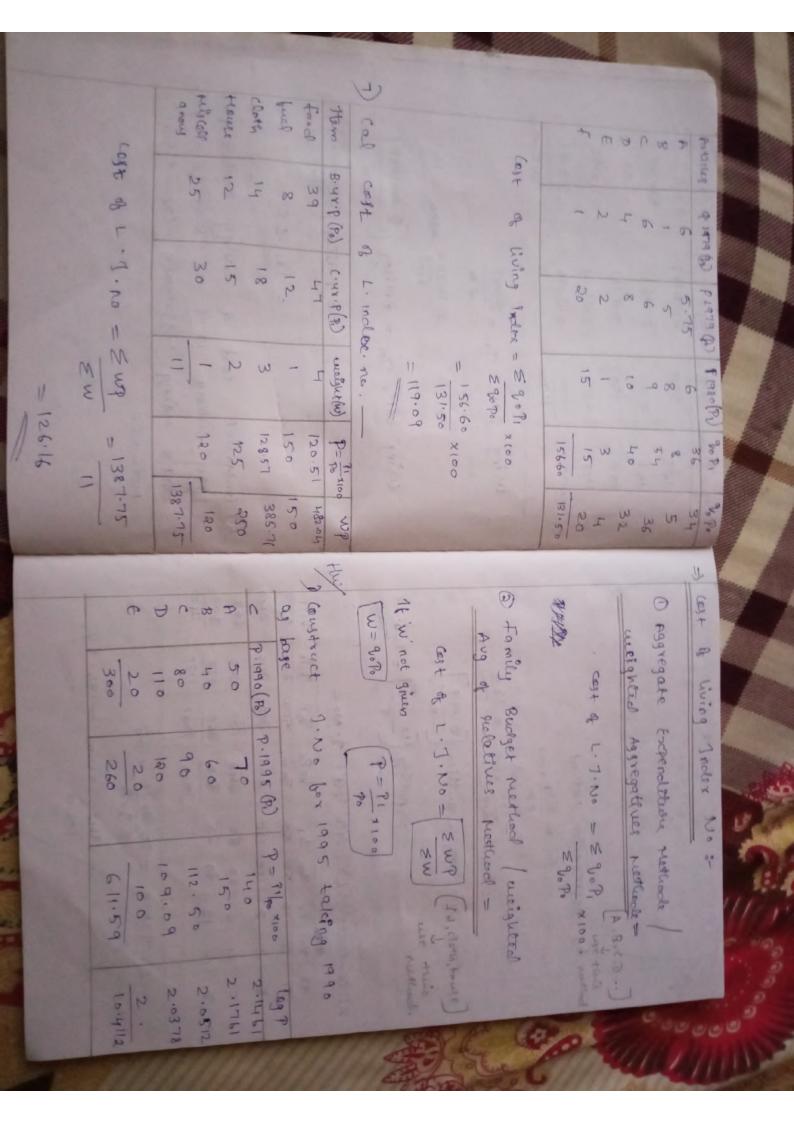
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	CHURAL 2049 TREATH 150 165  CHURAL 1949 TREATH 150 165  Rice 1004 1100 150  Rojea 1.504 11 120 140  Ashas 1.504 11 100 140  How Kg Kg 2 3	of basis of 1986. Wing Age	4) anythauct apt of april 3.00 = 121.6  225+330  A) anythauct apt of april 2.5+330  225+330  225+330  A) anythauct apt of april 2.00  225+330	= 1235 ×100 = 123.5
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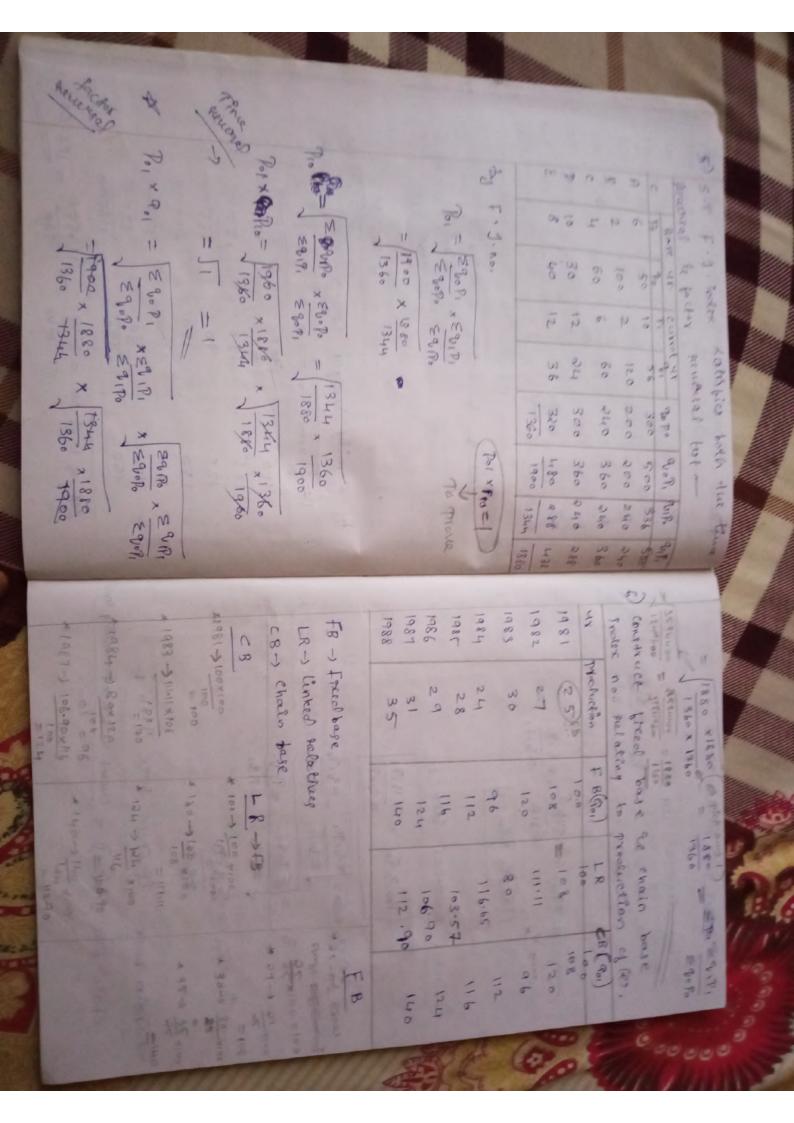
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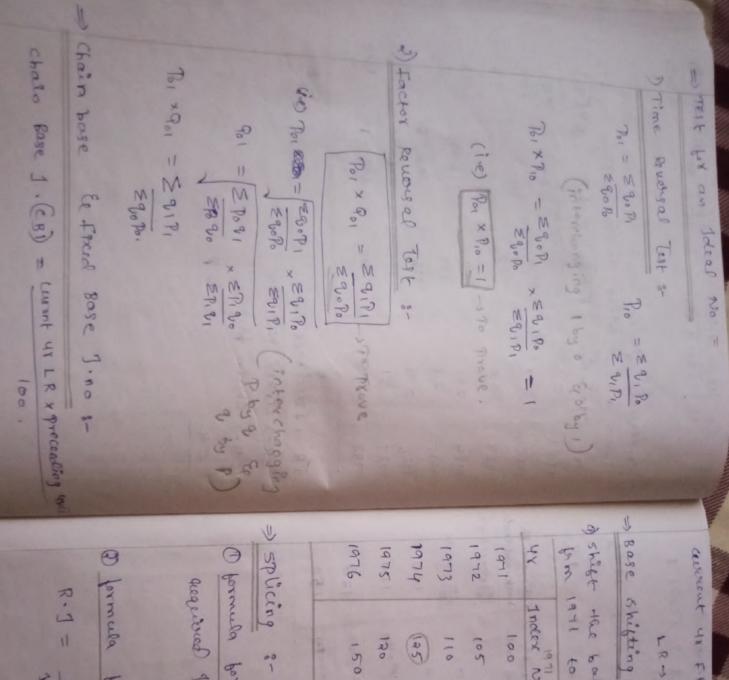
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FB -> Freed base.  LR -> linked belatives  CB -> chain base.  LR -> linked belatives  LR -> linked bel	1880 x1880   1





=> Base shifting :of shift the base of becausing molices account it F8.I - Christ CBI x Protection is a see - ALBI 07 1161 WA Index No (25) 110 105 100 120 LR & Long holotine 150 Inoler No 13 100 830 96 120 . 19 7 (-) 100 10-4-3125 SOUND C.

Dermula box boward splicing = down 1 marker of splicing = 100 x Index of splicing of splicing = 100 x Index of splicing of splicing of splicing = 100 x Index of splicing of splicing

a) spice the following 2 1.00 series. continuing series A borward & Series B backwards.

48: 1968 1969 1970 1971 1972 1973

S-JA: 100 120 150

100 110 120 150

5-3B:

1)	48	500	S (B)	5(A) with forward contin	SB) cuits backward conti
	1968	100	2	100	150 x 100 = 66.67
	1969	(20	33	120	150 X120 =80
	1970	150	100	150	1000
	1971	3	110	150 × 100 = 150	11200)
	1972	3/	120	150 X120=180	120
	1973	3	(50)	150 ×150 = 25	150
1	2/2/				100 -