we covered determinant, true were 3 main ares, tren 7 hat of Morved. Man 3 Threa: 1) Bet of I make x always = 1 (2) If you surter two raws in mostax, the dot surther signs Bet sa Linear General of each raw agorably (odens poslom: Findaghe determent of matrices by . Ler ue houre 4 matrices A= [101 201 301 102 202 302 (Vander Monchinate) C= 2 [1 745] 0= | 0 | 3 | 4 | 5 |

Thes do a but of churation, also da his do noting. = 10 10 20 30 1 20 A AND Sustractron2 from au1. ru 3 fran raw 1. of you have 2 Equalrans in mater 1992 => Lots do Elenaroutai. a (b-a)(b-a)(b+a) - Subtact: francows 1 a (b-a) (ca)(ch) - Subtact: francows 1 - Subtact: francows 1 old he 3rd property

A BLE VENDINGER

Olet is linear on each raw separately.
Se factor b-a it shows up ni every
entry in raw 2. Pactor of 6-a. Pull out his factor of 6-a. Like with c-a in third row.
Like will and the strongs
Total sign of the state of the
(b-a)(c-a) a 92 0 549
0 1549
O 1 Cta
ve need to get nid of eta, to make it come to get rule to get rule to get rule
apple 11 agrices 10 pt

we need to get rid of cta, to make it comple tragular to get rule []

- do another Elementer Plep

- (b-a)(-a) | 1 9 a² | = (b-a)(-a)(c-b)

0 | b+9

Column vector) result will be 3x3 mak all he rows oull be linearly in de matrix 5 singulos. of fingular det this innative is 8 low Symmetric. $do \Delta T = -D$ (Not D) $Bart \Delta T = -D$ (are same matrix)

But why not thee)
- he determinant	Sline	Of ma	onlal	hrav seprately	
> 20 yar Cont.	put	oull a	et fac	ctor, you	
howe to full		3	grows)	1 MAN DESTRUCTION OF THE STATE	X
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