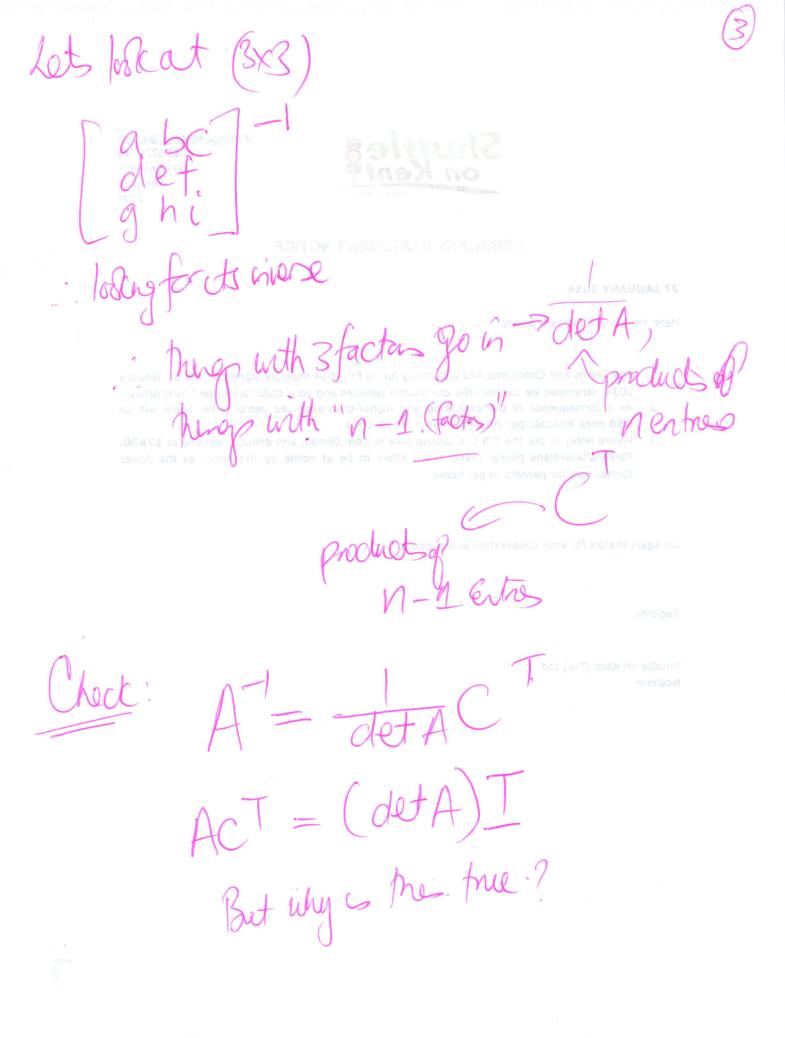
Leo Final Lockmoon Beteminat = :1) Propa or applications to use it) call his infl d how number con give is

hels tale: for two by 2 eesy) What did & dinde by: losting for flomula whee it The matrix of Confactors. But Why s this formula Correct
Let #81 phr Shahas



we have detA Usually the 1 Caning First that I am in row " Mot do I get in the (1,1) enter row 1, with Co. Co-factors. ahat unt & I get theme. anxent (Pay) Led + a12x C12 +. --with Forst Colum alwaysque det milgine you zer But fustrow with Say Col 2

Redan why arsues 300? : we really donne: glo (2x2) As= | a 5 | a 5 | Co. factor for the delement by: - falce a times its Co-factor. (5) (lestins) + b (topins) × (a) Bottoms raw. => det As= ab+ b (-a) = @0 ok hs is 2x2 picte. Sundher (nyan):

Secret application Ax=b : x=A-6 But now I have a Jamula for A (1)  $t = A = \frac{1}{det}A$  CTb byenties & b. nav I howe donnla Granswer (wheelve ved Elminahan legen) Cramers Rule a way of losting at his & formula. Lets take X1, 18 the for this femula & Xj= det Bi Craver realised what matrix it

is matrix thather bin First Colum ? Wates B1? A with Column 1 Tems do Anghons of Anghonity forms for 20 per incomplete the property of the property of the property of the consequence of the escateting and higher description of the consequence of the effective 1 by the 2010 and delivery will at 17h30 per child effective 1 by the consequence of the drivery will at 17h30 per child at 17h30 per chil Bi = Anth Column jarrages

replaced by 5 But 5 Craners rule my god in Practice? -) But his takes offereven to complete (it to determent) -when you can just do clinwater. But at loost we have flormula 350, advised not to we it. > mathab want dolt But will as Elemenation

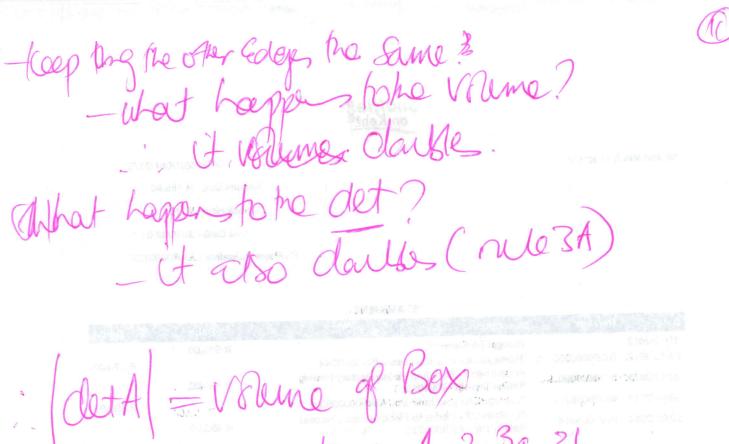
Ap Caros (ho Obtemment gives a Volume

Chase of a part of the state of the stat hetslocket special Col : (mate flotlang coe;) The Terms and Cannot when cut the Solutions and Indon wolffers for Just must be signed by the cannot when cut 28, 28/1865 or Just child cannot be the cannot when cut and nighter-than-expected petral price, > (911,912,013) This Box, whose volume I it that Box, whose volume is given by
the determinant

· is the agrid hoobed box or left handled box. A=Tot equal to Volume of box. hon Box's a Cube Suppose I have an anthogonal matrix A= Q [ orthogenal | matrix watrix wose column was contronomal. 12. Colems were 1 hen shope of box, is a Cute (as well) The set defferent from the T Cute? just Holated. (turned in space) But who det = 1? of we have A=Q

why 5 det = 1? or & fil ! tale det is of Both Sicles det QQ = 1 (I) hot healt of het product.

Spelen g produt - [Q7]. | Q |= 1 Mosts det of Q', Same as det of Q Lets puthet to recotriguter Boxes? (Ren Cubs) I Shetch / double fit edge 1012-1 3 Lots puch how to non Cules . Lockengulor boxes. toop I and Stretch he colgs double he fist Edge



Mod s populas:  $\frac{1}{2}$   $\frac{3}{3}$   $\frac{3}{5}$ .

And  $\frac{3}{5}$   $\frac{3$ 

(O,0)

By femula

Forea of problems

Permittingan

. . . ora gl probblygam: Bac x height ( doannot nice to do on) But aller us det · Orea = det [cd] COLDER 10 COLDER no squar rook, totally renemberable if you know the condinate of sox, nearly volume.

Then you have great aformula for volume.

That does not in volve and any leights

any angle, or my heights

- fost in volvestie coordinate. Naw we can half Box, and get I are the segret of the segre we know the 12 (ad-6) for trangle. But if what p mangle did not detenuie under met when she

55