P. 1 Rabeglane ompegenment non 3M. Orpegenners a grean nymer отредитем пр - г и попания, маниям. Imb, inobegenne ann-me nom Itt compan imacoobil a) Mu 3M I muna lai sait dej join-16 ne renaeme el Mpu de l'ai es ai ponn-16 mensem quen B) Mu 30 171 muna Ri -s Lac on u yumomalmu na ). a) det A'= det ( ·-- ( Q; + ) q; ) --- Q; --- ) = det ( --- Q; --- ) + + 1 det (-- ej - - ej -- .) = det A D) he kocomer. 6/ Cu-e agnonsgnamme 20 Dy, AE Mnxn(F) A-benne myrggrænsnar (numne), eann & (i,j): i >j + jaij = 0 (i < j > QEj = 0) Imb, amegenment bennue mpeys. (numere) = np-e rucu na quar. D-60,0) gua beprenemplys. det A = \( \frac{2}{665n} \) \( \text{Com G = E(e) \( \text{R}\_{11} \\ \text{Rm} \cdots \\ \text{Ges}\_{1} \\ \text{Com G \( \text{E} \) \\ \text{S}\_{2} \\ \text{Ges}\_{1} \\ \text{Ges}\_{2} \\ \text{Ges}\_{2} \\ \text{Ges}\_{2} \\ \text{Ges}\_{3} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{3} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{3} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{3} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{4} \\ \text{Ges}\_{2} \\ \text{Ges}\_{4} \\ \ combance jor Life c= S/ anaiorinas po (Th) (of onnegument np-2 hampun) A, BEMnun (F) Torga det (ABI= det (A). det [B] D-60, C= A.13 Ci -i-2 ampone C. Ci = Qi.B Noxemer, uno det (C) = det (AB) els. ce naumenimoni Eyzer crumame mo 13-gix. l A, mo Ci u C; navenanomer reconsame-Eau nauknum neemann ai u aj => det(c/namensem znax Donomer noumenment ayent RE= LU+13V: U, U & Mixn(F)

det (c)= det (A·B) = det (Q,B, -- (Lu+Bv)B -- enB)= = det (ā) 13 -- d ū 13 + B Ū 13, -- an 13)= - 2 det (ā, 13 - . ūB - .ānB) + 13 det (ē, 13 - ŪB - anB)

2 det A 113

B det A"B Beech det A' naugeen y det A Benenañ i-in emporu na Tr det(AB) = det (E.B). det A= det A. det B | no Th us 22 dans 20 The (of onn-re eymon rysein) A= ( 13 C) BEMKER DEMKINK!

A= ( 10 D) BEMKER DEMKINK!

K'=n-K Torga det A = det B. det D. Gygler pour. det A kou qp. 10 om emaionol B. . Orebugus ona naumunima a xococur. Tonga det A = det ( E C ). det B det ( \frac{\frac{F}{\pi}}{\pi}) Lyger p-me wan gr- 10 om common D. Torga | = | Etc | det 1). det A = det B. det D. det | E/E | = det B. det D. 10

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