Ex 1.6.1: BIGEY Raphael 1) \* E 1 pg up 1 ug = E123 uz 1 uz + E132 uz 1 uz = 12 m2 1 m3 - m3 1 m2 Danc 1 Eng uplug = 12/12 \* Ezpg up/ ug = E213 u1/ u3 + E231 u3/ u1 = - un / uz + uz / uz = 2 u3 1 u4 Donc = Ezpg uplug = u3/ u1 + E3pg up / ug = E312 un / uz + E321 uz / un = 11/11/2 - ne / m = 2 m, 1 m2. Donc 2 Egg uplug = usluz. 2) si j=1: (Cof(A)); = (n2/113); = (\frac{1}{2} \in ing up 1 ug); si j=2: ((of(A)); = (u, 1 u,); =(2 Ezpguplug); si j=3: ((of(A)); = (u, 1 uz); = (= \frac{1}{2} \Ezgrup 1 ug); Ainsi (Cof(A)); = ( = Ejpq uplug); = { Ejpq Epmn (up)m (uq)m ep); = { Ejpq Eimm (Amp Amq) = p);

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3) (Cof (A+)); = = = Ejpq Eimn (A+) mp (A+)
              = 1 E jpg Eimm Apm Agm
= 1 E imm E jpg Apm Agm
              = = Eipq Ejmin Amp Amq, en échangeant: q = = (Cof(A)); = (Cof(A));
Donc Cof(A+) = Cof(A)+
4) (A (Cof(A))); = A: (Cof(A));
                     = Aide 2 Eipg Eamn Apn Agn
                  = 1 E pq E mm A; a Apm Ag

= 1 E pq E mm A; a Apm Ag

= 1 E pq E pq det (A) , pan (1.2.12)

= 1 × 2 S; det (A)
                   = Sij det (A)
                   = [(det A) I);
Pome A Gof (A) = det(A) I
L> Si A invasible: Cof(A+) x 1 = A-1
en multipliant par A 1.
5) admis.
   A invarible => Cof(A)Cof(A1) = Cof(I) = I
 Lo et ainsi Cof(A) = Cof(A1)
7) An A Ar = Epgn (An) (Ar) ep
               = Epg (Agjuj) (Ak Vk) ep
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