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C has two equal rows from i = r., row i = r.)
                                  so if re sump 12; e>R; in C, re get det C = - Let C
                                                                                                                                                                                                                                                                                        =7 fet C = 0
                          = 7 det A = JetB
                 The It now matrix A is put into roef by 5 row- sups and
                                              multiplying rows by scalers k, , , k, then
                                                                                                          Eg. Compute det 2 2 0 16
1 1 1 14
0 1 1 10
0 1 0 6
                             [2 2 0 16] R= R, [1 1 0 8] R= R-R, [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [1 1 0 8] [
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                                    \longrightarrow let (rref(A)) = (-1)'(\frac{1}{2},\frac{1}{2}) Let A
                                            =) 1 = (-1)' = det A = > det A = -4
               The An non matrix A is invertible E) Let A 70
                The a) If A and B are non matrices, then det(AB) = (det A)(det B)
                                      b) If A and B are similar now matrices, def(A) = def(B)
                                                            Since AS = SB for invertible S, so (detA)(detS) = (detS)(detB)
                                  c) If A is invertible, then det(A') = Jet A = Jet B.

(Jet(A) (Jet(A')) = det(In))
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