D/1 mypony N2. 1) Yarandon a varine mongloederme malping AB, BA orgaderense, u namou popularmon nougremment margines. a) A - inespunsa 4x2, B - masprusa 4x2. Due sono, robber y umostrub dry massusy na Juzy no neobxodubno, robbe massusse unien aldyrous ju pagueproca mxn n nxs, De m = S und m x S, s.c. p non les courogols lo replan ma purse deus kno Ports palano dol- by apor Gropon mar Jurse. Tax war & dannoun augral 274, 50 due dannois mabing one asur junos/cenne re onpederena. 8) A 2×5, B 5×3. Boanneu augral vou la coordydo b marque H = war-lay copore b 15, roset some gruno l'essue de sous ina juis ompederena u jezusbipyrousere marquise gles muco las mebros co 9 x 3 6) Agrs, Boxe 3 = 3 => onepaine junissemme enjederena i pajuepnoca jejyhocepyionjen nofunga 8×8. 2) Ayxy Byxy Y=Y => onepassure juno komi anderena a posquetat water 4 x 4 2) Hairn cynny u uppufoederme uz jung:  $A = \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix}$   $A = \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix}$   $A + B = \begin{pmatrix} 1+4 & -2+(+1) \\ 3+0 & 0+5 \end{pmatrix} = \begin{pmatrix} 5 & +3 \\ 3 & 5 \end{pmatrix}$  $A \cdot 1 = \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix} \cdot \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} = \begin{pmatrix} 1.4 + (-2).6 \\ 4.3 + 0.0 \end{pmatrix}$  $\frac{(\cdot (-1) + 5 \cdot (-2))}{3 \cdot (-1) + 0.5} = \frac{(12 - 3)}{(12 - 3)}$  De ly jamonoureproceen anoterne a yumo-ceme majores na ruais montro Denalo brestod, relo man purson source payuepa Espanyone unemmas mer paries co. Bernaulo her uneringo consurar aro 3A-215+2( ,20c A= (1 7), B= (0 5), C= (2-4) 3.4 = 3.(3 = 21) $-2 \times z - 2 \cdot \begin{pmatrix} 0 & 5 \\ 2 & -1 \end{pmatrix} = \begin{pmatrix} 6 & -10 \\ -4 & 2 \end{pmatrix}$ 4(24. (2-4) 2 (8-16) Voida 3A-2B+4(2  $= \begin{pmatrix} 3 & 21 \\ 9 & -18 \end{pmatrix} + \begin{pmatrix} 0 & -10 \\ -4 & 2 \end{pmatrix} + \begin{pmatrix} 8 & -16 \\ 4 & 4 \end{pmatrix} = \begin{pmatrix} 11 & -5 \\ 9 & -12 \end{pmatrix}$ Orber. (11 -5) 4) Dans majunga A 2 ( 5 - 2 ). Nommando A.A. a A.A. Remenue: Atz (452)  $A \cdot A^{T} = \begin{pmatrix} 4 & 1 \\ 5 & -2 \\ 2 & 3 \end{pmatrix} \begin{pmatrix} 4 & 5 & 2 \\ 1 & -2 & 3 \end{pmatrix} = \begin{pmatrix} 12 & 18 & 11 \\ 18 & 29 & 4 \\ 11 & 4 & 13 \end{pmatrix}$  $A^{T} \cdot A_{2} \begin{pmatrix} 4 & 5 & 2 \\ 1 & -2 & 3 \end{pmatrix} \begin{pmatrix} 4 & 1 \\ 5 & -2 \\ 2 & 3 \end{pmatrix} = \begin{pmatrix} 45 & 4.1 + 5(-2) + 2.3 \\ 4 + (-2) \cdot 5 + 2.3 & 1 + 4 + 9 \end{pmatrix} = \begin{pmatrix} 45 & 0 \\ 0 & 14 \end{pmatrix}$ Yaca J. 2.1. Mananh supedemerals.  $\frac{1}{100} \int \frac{d^2x}{100} \left| \frac{1}{2} \int \frac{1}{100} \frac{1}{100} \left| \frac{1}{2} \int \frac{1}{100} \frac{1$ 

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