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Spok 3.
 1. Terambur, name uponglegenus natives AB a BA capegeneros,
    a nécora pasareprocesa nongrement marfeels:
  a) A-4x2, B-4x2,
 5/A-2V5, B-5X3,
 6) A- 8x3, B-3x8;
 2) A-4x4, B-4x4.
 Peareure:
  a) He our egerepor
  D) Our egeneuro: 2 x 3;
  6) Oupegeneno: 8 x8;
  2) Oupegeneno: 4 x 4.
2) Haure egung u njouslegarur na Tuers A= (1-2) 4 B= (4-1).
 Pemeane:
 A+b=\begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix} + \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} = \begin{pmatrix} 5 & -3 \\ 3 & 5 \end{pmatrix}
A \cdot B = \begin{pmatrix} 1 & -2 \\ 3 & 6 \end{pmatrix} \cdot \begin{pmatrix} 4 & -1 \\ 6 & 5 \end{pmatrix} = \begin{pmatrix} 4 & -11 \\ 12 & -3 \end{pmatrix}
 B \cdot A = \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} \cdot \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix} = \begin{pmatrix} 1 & -8 \\ 15 & 0 \end{pmatrix}
3) Uz zanowoaprocrete exoneenul u junomenul natury ka recko
   noucus egenere bolog, no narfeises oquere pazueja offazyar
   rechector aportpanette. Bor recherte nuncernya nondenaciona
    3A-1B+4C que martieus A=(17), B=(05), C=(2-4).
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 $3\left(\frac{1}{3},\frac{7}{6}\right)-2\left(\frac{0}{2},\frac{5}{1}\right)+4\left(\frac{2}{1},\frac{9}{1}\right)=\left(\frac{3}{9},\frac{21}{18}\right)+\left(\frac{0}{4},\frac{10}{2}\right)+\left(\frac{9}{4},\frac{16}{4}\right)=$ 

Peaceace:

 $= \begin{pmatrix} 11 - 5 \\ 9 - 12 \end{pmatrix}$ 

$$A \cdot A = \begin{pmatrix} 4 & 1 \\ 5 & -2 \\ 2 & 3 \end{pmatrix} \cdot \begin{pmatrix} 4 & 5 & 2 \\ 1 & -2 & 3 \end{pmatrix} = \begin{pmatrix} 17 & 20-2 & 8+3 \\ 20-2 & 25+4 & 10-6 \\ 8+3 & 10-6 & 4+9 \end{pmatrix} = \begin{pmatrix} 17 & 18 & 14 \\ 18 & 29 & 4 \\ 11 & 4 & 13 \end{pmatrix}$$

$$A^{T}A = \begin{pmatrix} 4 & 5 & 2 \\ 1 & -2 & 3 \end{pmatrix} \cdot \begin{pmatrix} 4 & 1 \\ 5 & -2 \\ 2 & 3 \end{pmatrix} = \begin{pmatrix} 16 + 25 + 4 & 4 - 10 + 6 \\ 4 - 10 + 6 & 1 + 4 + 9 \end{pmatrix} = \begin{pmatrix} 45 & 0 \\ 0 & 14 \end{pmatrix}$$