AXUHUU.V. Лабораторная работа №4 5 вариант 331rp. 3 aganue 1 $X = \{1,2,3\}, f = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{pmatrix}, g = \begin{pmatrix} 1 & 2 & 3 \\ 2 & 2 & 2 \end{pmatrix}, S = \langle f,g \rangle = ?$ $fg = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 & 3 \\ 2 & 2 & 2 \end{pmatrix} = \begin{pmatrix} 1 & 2 & 3 \\ 1 & 2 & 3 \\ 2 & 2 & 2 \end{pmatrix}$ $\mathfrak{J} = \begin{pmatrix} 1 & 2 & 3 \\ 2 & 2 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{pmatrix} = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 4 & 4 \end{pmatrix} = \begin{pmatrix} 1 & 2 & 3 \\ 1 & 1 & 4 \end{pmatrix}$ $f_{g}^{2} = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 & 3 \\ 2 & 2 & 2 \end{pmatrix} = \begin{pmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \\ 2 & 2 & 2 \end{pmatrix}$ очевидно:
Все ост., опанч-се на 9 будут шеть результат (223) (123) $gf^{2} = \begin{pmatrix} 123 \\ 222 \end{pmatrix} \begin{pmatrix} 123 \\ 321 \end{pmatrix} \begin{pmatrix} 123 \\ 321 \end{pmatrix} = \begin{pmatrix} 123 \\ 122 \\ 122 \end{pmatrix} = \begin{pmatrix} 123 \\ 122 \\ 122 \end{pmatrix}$ Ombem: $S = \langle f, g \rangle = \begin{pmatrix} 123 \\ 342 \end{pmatrix} \begin{pmatrix} 123 \\ 222 \end{pmatrix} \begin{pmatrix} 123 \\ 234 \end{pmatrix} \begin{pmatrix} 123 \\ 141 \end{pmatrix} \begin{pmatrix} 123 \\ 123 \end{pmatrix}$

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3aganae 2
     a=(+2345), X={1,2,3,4,5}=, k=?, m=?
  4 3 = (4 2 3 4 5) (4 2 3 4 5) = 1 2 3 4 5

Q = QQ = (3 2 3 4 2) (4 3 4 2 3) = 3 2 3 4 2 = (4 3 4 2 3)
  => Ombem: ungere k = 1, nepung m = 4-1=3
 Baganue 3
 S= < x, y: xy = yx, x = x , y = x>
 War 1 (gnuna 1): X u y ne sub. ne + gy coson => brocum us 6 cuct. mpeger
 Már 2 (grune 2): x2, xy=yx,yx,y2=x. Uz smux cnob monous cnobe
 x2 a yx ne sub. omm. womp. E apyrin pance Buigenennin croban =>
 -> snocur x2 a yx B cum. npegemabureneir.
                                                              Mar 3 (gnuna 3): x3=x2, x3 = xxy = xyx = yx2, yx2, yxy = y2x = x2
                                                              Uz amus choo monsuo cholo yx He aul. omit worrp. E gaynun
pource Brigeneuris a enobal > Brocelle y x B celem insequina Brocere
Mar 4 (gnuha 4): yx3=yx2, yx2 = yxyx=yyxx=x3=x2. Bce = 74
cnoba sub. omn. monrp. E paner Borgenerusia cnobala.
3 Hayum, S = {X, y, X2, yx, yx2} - nonhar cucmena
 npegemaburenen unaccob morus. E.
 Ombem:
             S={x,y,x},yx,yx}}
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