Pruebas multiplicación de matrices en secuencia

Prueba 1

 $(A_{2x3})(B_{3x4})(C_{4x2})$

	A	В	С			
A	X	A2x3 B3x4→24	$(AB)_{2x4} C_{4x2} \rightarrow 40$ $A_{2x3} (BC)_{3x2} \rightarrow 36$			
В	X	X	B _{3x4} C _{4x2} →24			
С	X	X	X			

Prueba 2

 $(A_{30x1})(B_{1x40})(C_{40x10})(D_{10x25})$

	A	В	С	D
A	X	A30x1 B1x40 \rightarrow 1,200	(AB) $_{30x40}$ C40 $_{x10} \rightarrow 13,200$ A30 $_{x1}$ (BC) $_{1x10} \rightarrow 700$	$(A(BC))_{30\times10} D_{10\times25} \rightarrow 8,200$ $A_{30\times1} ((BC)D)_{1\times25} \rightarrow 1,400$
В	X	X	B ₁ x ₄ 0 C ₄ 0x ₁ 0→400	$\begin{array}{c} \text{(BC)}_{1x10} \text{ D}_{10x25} \rightarrow 650 \\ \text{B}_{1x40} \text{ (CD)}_{40x25} \rightarrow 11,000 \end{array}$
С	X	X	X	C40x10 D10x25 \rightarrow 10,000
D	X	X	X	X

Prueba 3

 $(A_{3x2})(B_{2x5})(C_{5x1})(D_{1x4})(E_{4x7})$

	A	В	С	D	E
A	X	A _{3x2} B _{2x5} →30	(AB) $_{3x5}$ C5 $_{x1} \rightarrow 45$ A3 $_{x2}$ (BC) $_{2x1} \rightarrow 16$	$(A(BC))_{3x1} D_{1x4} \rightarrow 28$ $A_{3x2} ((BC)D)_{2x4} \rightarrow 42$	((A(BC))D)3x4 E4x7→112 A3x2 (((BC)D)E)2x7→116
В	X	X	B _{2x5} C _{5x1} →10	$\begin{array}{c} \text{(BC)}_{2x1} \text{ D}_{1x4} \rightarrow 18 \\ \text{B}_{2x5} \text{ (CD)}_{5x4} \rightarrow 60 \end{array}$	((BC)D) _{2x4} E _{4x7} →74 B _{2x5} ((CD)E) _{5x7} →133
С	X	X	X	C5x1 D1x4→20	(CD) _{5x4} E _{4x7} →160 C _{5x1} (DE) _{1x7} →63
D	X	X	X	X	D1x4 E4x7→28
Е	X	X	X	X	X