

A B C

Core 1

 A_{11} A_{12} A_{13} A_{14} A_{21} A_{22} A_{23} A_{24} A_{31} A_{32} A_{33} A_{34} A_{41} A_{42} A_{43} A_{44}

Core 2

 \times B_{11} B_{12} B_{13} B_{14} B_{21} B_{22} B_{23} B_{24} B_{31} B_{32} B_{33} B_{34} B_{41} B_{42} B_{43} B_{44} $=$

Core 1

 C_{11} C_{12} C_{13} C_{14} C_{21} C_{22} C_{23} C_{24} C_{31} C_{32} C_{33} C_{34} C_{41} C_{42} C_{43} C_{44}

Core 2