



A diagram illustrating a matrix equation. On the left is a tall, narrow vertical rectangle with a light gray gradient and a black border, containing the bold black letter **X**. To its right is an equals sign (=). Further right is a square with a light gray gradient and a black border, containing the bold black letter **U**. To the right of the square is a dot (·). Finally, on the far right, is another tall, narrow vertical rectangle, identical in style to the first one, containing the bold black letter **Z**.

$$\mathbf{X} = \mathbf{U} \cdot \mathbf{Z}$$

$$D \times D$$

A diagram illustrating a matrix multiplication. On the left is a vertical rectangular box labeled \mathbf{X} . To its right is an equals sign. Next is a large horizontal rectangular box containing the expression $\mathbf{U}_1 \dots \mathbf{U}_B$. Below this box is the dimension label $D \times (B \cdot D)$. To the right of the large box is a dot, followed by a tall vertical rectangular box labeled \mathbf{Z} . All boxes have a light gray gradient and a black border.

$$\mathbf{X} = \mathbf{U}_1 \dots \mathbf{U}_B \cdot \mathbf{Z}$$

$D \times (B \cdot D)$



$D \times N$

\approx



$D \times L$

\cdot



$L \times N$