Dot product

$$x \cdot y = z$$
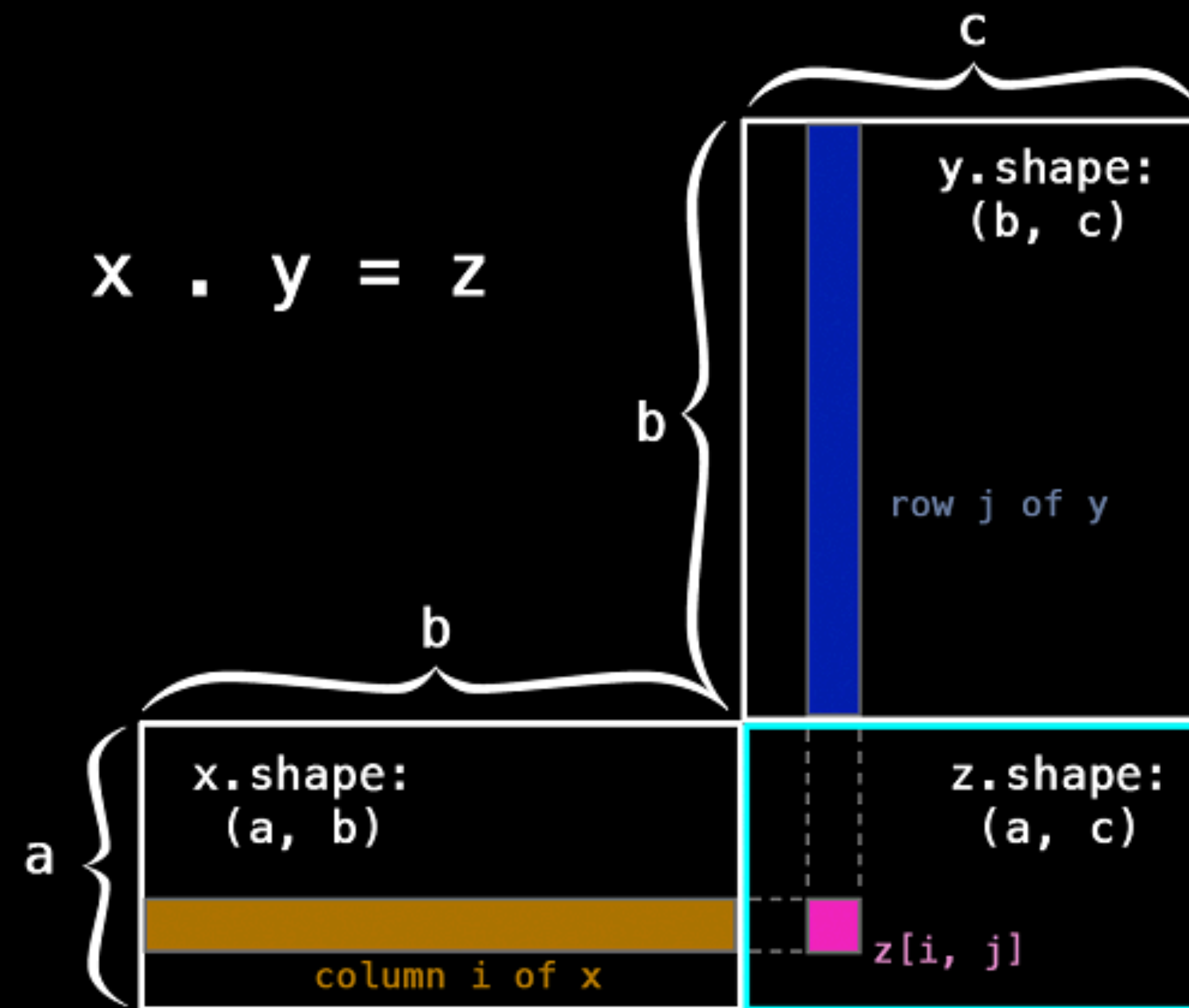
y.shape:
(b, c)

row j of y

x.shape:
(a, b)

column i of x

z.shape:
(a, c)

z[i, j]

Geometric interpretation of tensor operations