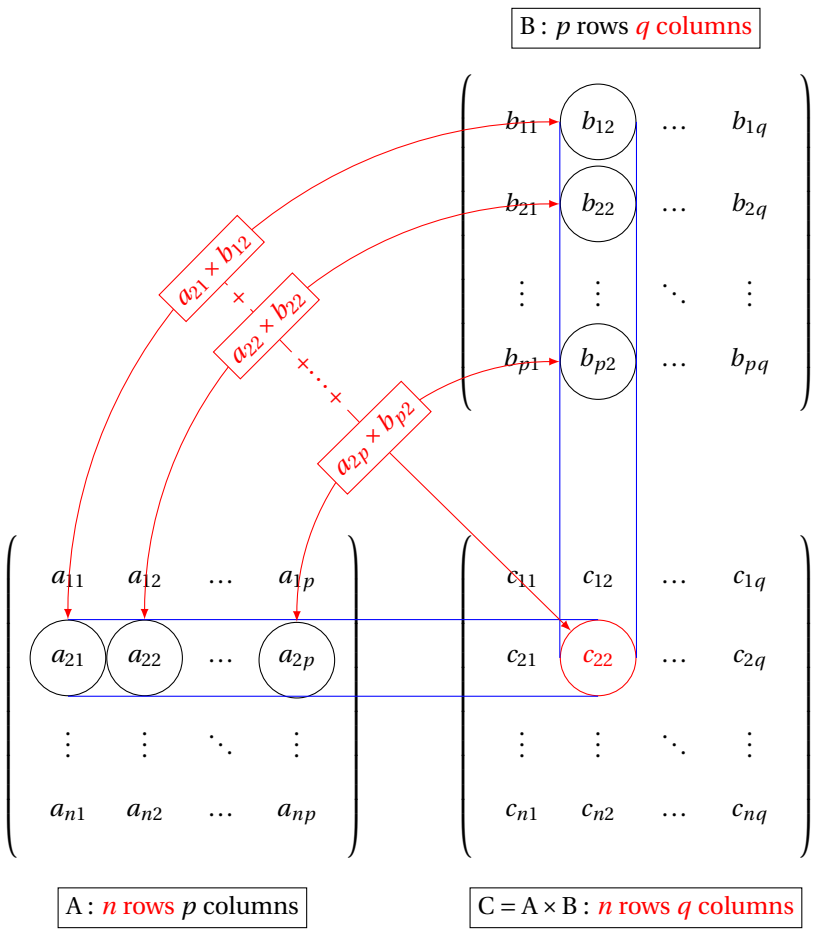
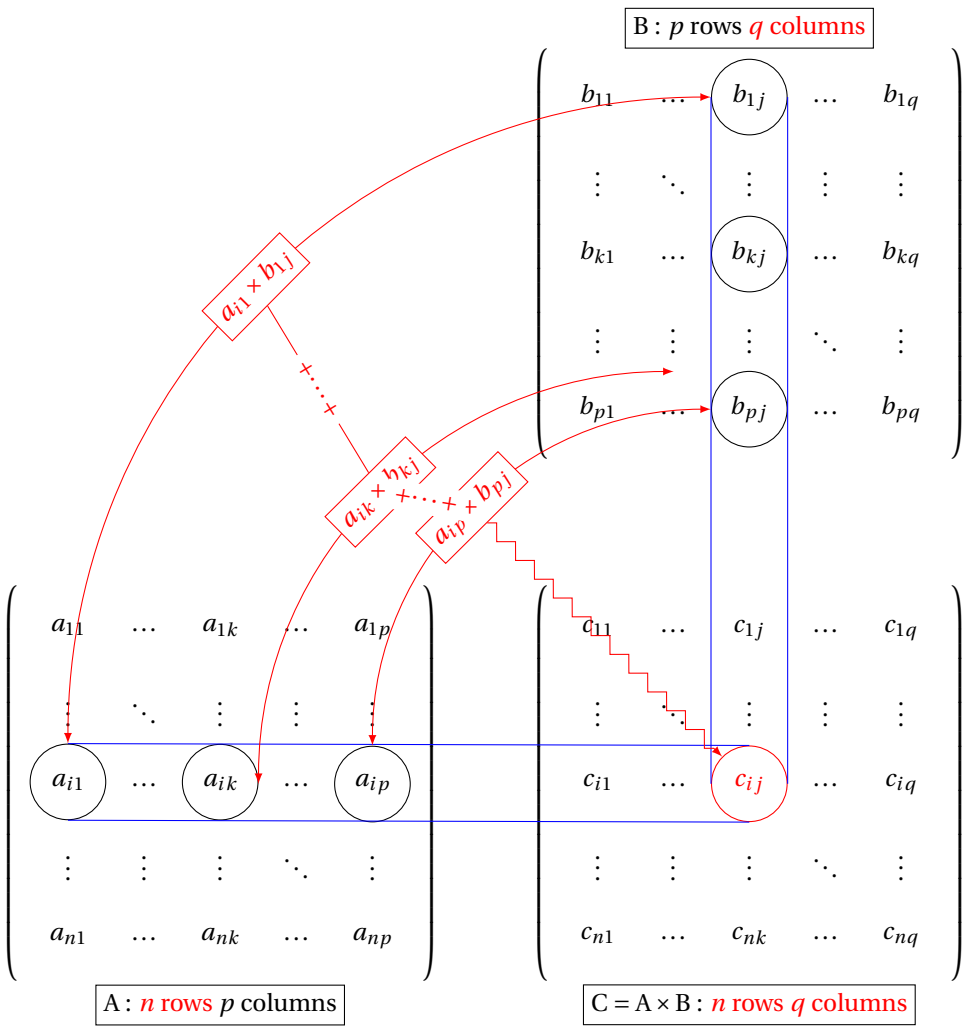

B : p rows q columns
b_{11} b_{12} … b_{1q}
b_{21} b_{22} … b_{2q}
b_{p1} b_{p2} … b_{pq}
$a_{21} \times b_{12}$
+
$a_{22} \times b_{22}$
+ … +
$a_{2p} \times b_{p2}$
a_{11} a_{12} … a_{1p}
a_{21} a_{22} … a_{2p}
a_{n1} a_{n2} … a_{np}
c_{11} c_{12} … c_{1q}
c_{21} c_{22} … c_{2q}
c_{n1} c_{n2} … c_{nq}
A : n rows p columns
C = A × B : n rows q columns


B : p rows q columns
$a_{i1} \times b_{1j}$
$+ \cdots +$
$a_{ik} \times b_{kj}$
$+ \cdots +$
$a_{ip} \times b_{pj}$
A : n rows p columns
C = A × B : n rows q columns