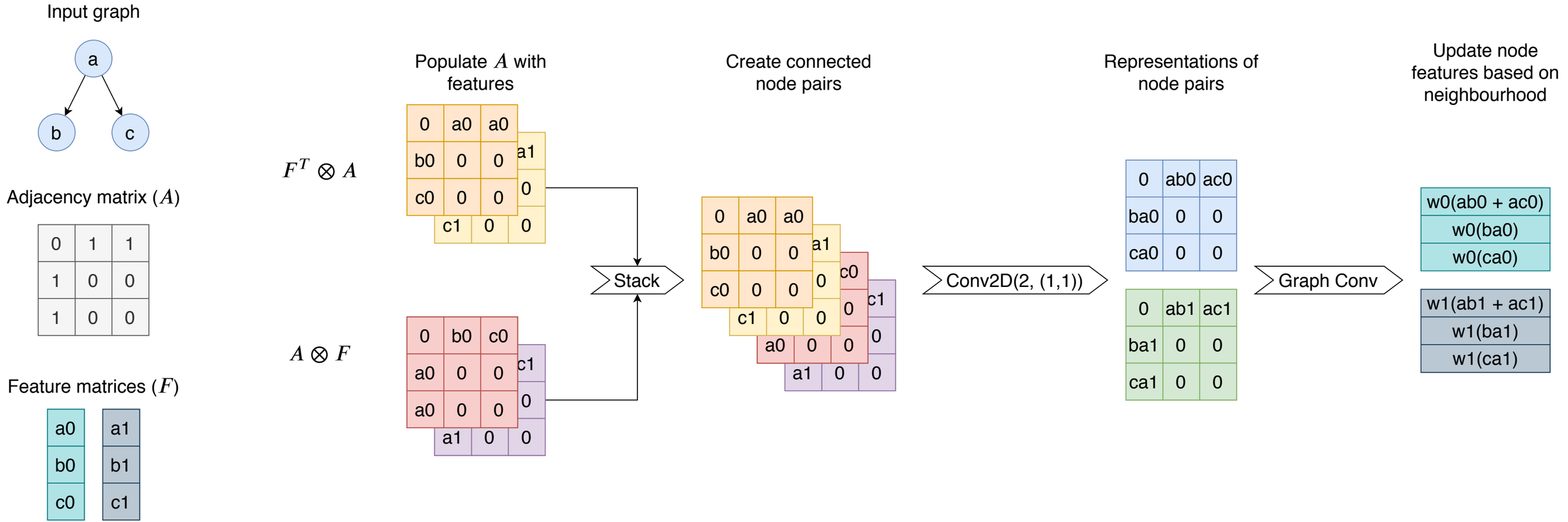
Input graph
a
b
c
Adjacency matrix (A)
0 1 1
1 0 0
1 0 0
Feature matrices (F)
a0 a1
b0 b1
c0 c1
$F^T \otimes A$
$A \otimes F$
Populate A with features
Stack
Create connected node pairs
Conv2D(2, (1,1))
Representations of node pairs
Graph Conv
Update node features based on neighbourhood
w0(ab0 + ac0)
w0(ba0)
w0(ca0)
w1(ab1 + ac1)
w1(ba1)
w1(ca1)