$A = [1, 2, 3]$

$B = [4, 5, 6]$

Axis = 0

$$\begin{pmatrix} A \\ B \end{pmatrix} = \begin{bmatrix} 1, 2, 3 \\ 4, 5, 6 \end{bmatrix}$$

Axis = 1

$$(A, B) = (1, 2, 3, 4, 5, 6)$$

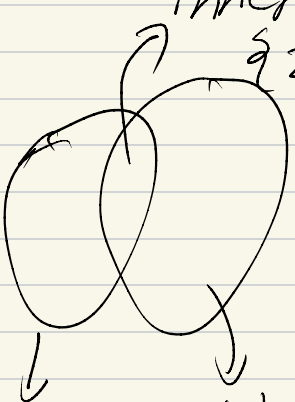
Join / Merge.

df_BA

Name	Grade
Adam	B-
Bob	A
Charles	A-

df_Finance

Name	Grade
Amy	A
Bob	B+
Catherine	B-



	Name	BA Grade	Finance Grade
0	Adam	B-	N.A.
1	Amy	N.A.	A
2	Bob	A	B+
3	Charles	A-	N.A.
4	Catherine	N.A.	B-

Outer Join