

Let $M1$ be a matrix of order $n1 \times n2$ and $M2$ be a matrix of order $m1 \times m2$

Without loss of generality if $n2 > m2$ then we pad zero columns to $M2$ to make

$M1$ as a matrix of order $n1 \times n2$ and $M2$ as a matrix of order $m1 \times n2$ so that the columns of both $M1$ and $M2$ are same

Now we need if each row arbitrary say $R1$ of $M1$ is same with arbitrary row $R2$ of $M2$

where they are same like this after the padding

Let say $R1 = [1,2,3,4]$ and $R2 = [1,2,3,5]$ then I say both rows are same we don't consider the last element of that row even if they are not equal and remaining are same we say $R1 = R2$.

$R1 = [1,2,3,4,0]$ and $R2 = [1,2,3,4,7]$ still $R1=R2$

Let $R1 = [1,2,3,4,0]$ and $R1 = [1,2,3,4,0]$ Then also $R1=R2$

If $R1 = [1,2,4,0]$ and $R2 = [1,2,3,0]$ Then $R1 \neq R2$ as $3 \neq 4$

We are considering elementwise equality we are not comparing 3 with 2 like that we comparing 3 with 4 only that here *3rd element of $R1$ with 3rd element of $R2$* only like that

Need a function say $F(A, B)$ where A and B are matrices of order $n1 \times n2$ and $m1 \times m2$

It will do the padding first based on condition then it will do the comparisons

If $M1$ not equal to $M2$ based on this condition it will print me $M1$ not equal $M2$.