Step-1

Fill up the blank:

Let *A* and *B* be two matrices. Consider that they have the same Eigen values with full set of independent Eigen vectors. If they are factorized into same â€¦â€¦. . Then $A = B$

Step-2

To get diagonalize any matrix is factorize into $S\Lambda S^{-1}$. So, if matrix *A* and *B* have same, $S\Lambda S^{-1}$, factorization value, they are said to be equal.

Step-3

Therefore, to get equality matrix *A* and *B* should be factorized into same $\boxed{S\Lambda S^{-1}}$.