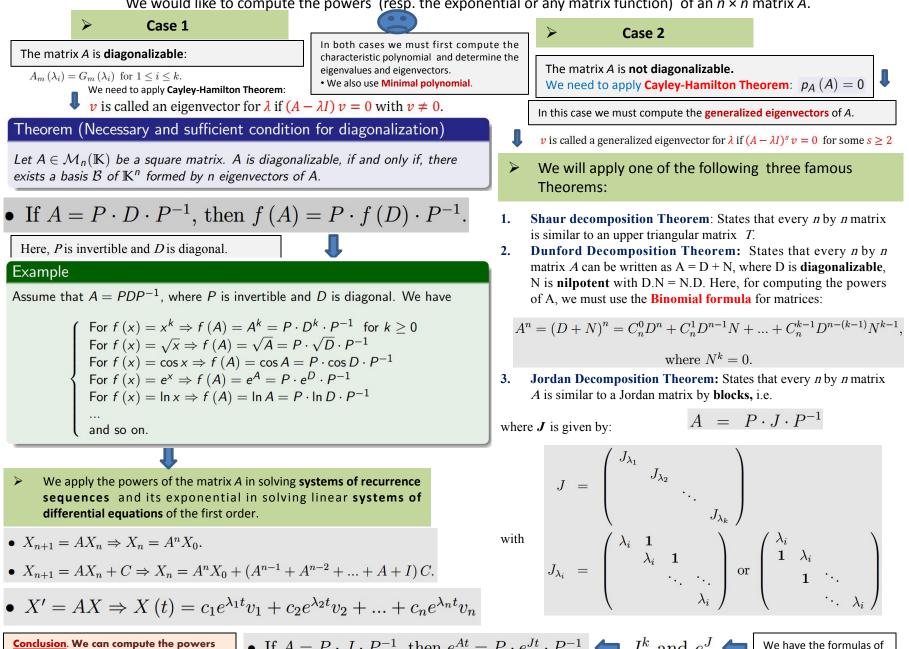
We would like to compute the powers (resp. the exponential or any matrix function) of an  $n \times n$  matrix A.



and exponential of any n by n matrix.

• If  $A = P \cdot J \cdot P^{-1}$ , then  $e^{At} = P \cdot e^{Jt} \cdot P^{-1}$ .  $I^k and e^J$ 

the powers and exp of J