

# Representation of a Matrix in an Vector

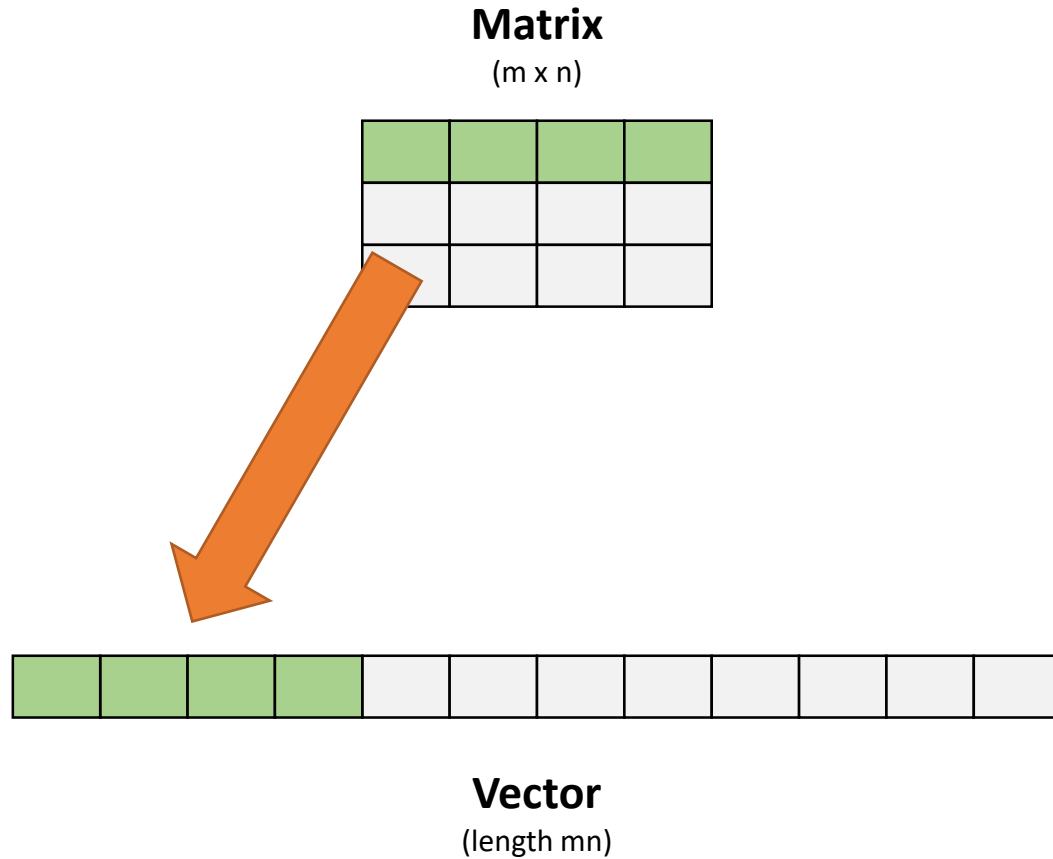
# Matrix in a Vector

**Matrix**  
( $m \times n$ )

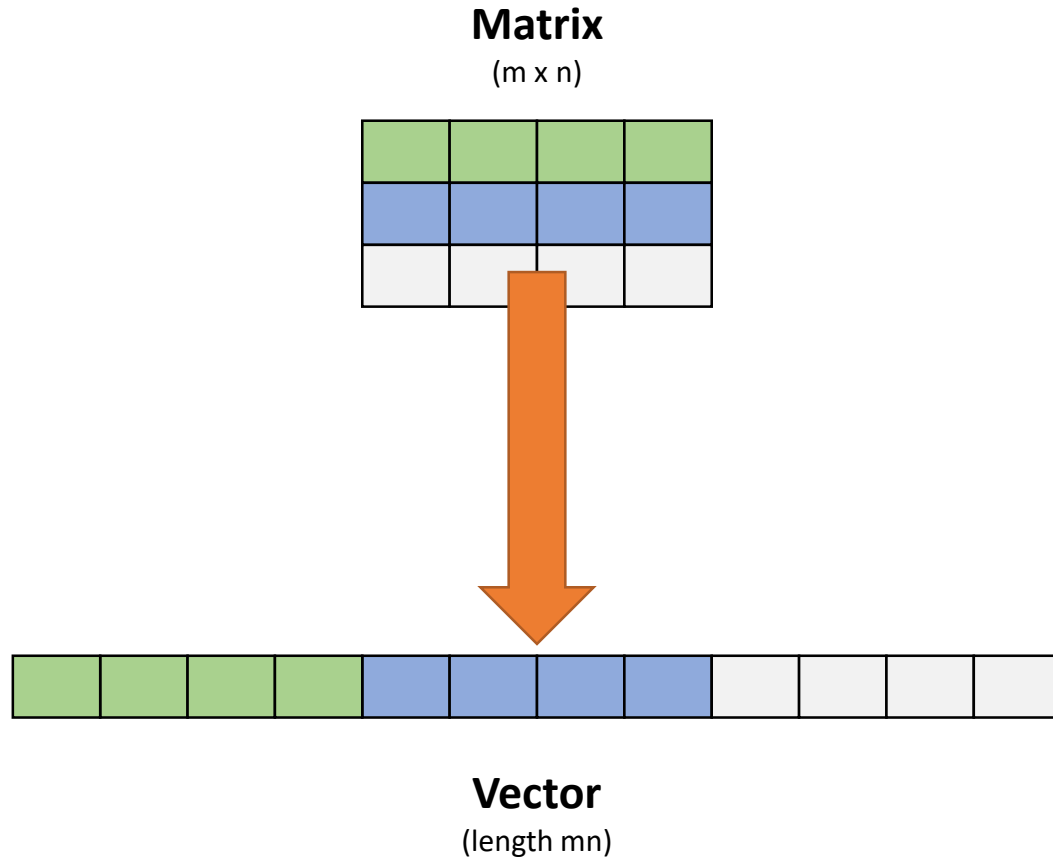

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**Vector**  
(length  $mn$ )

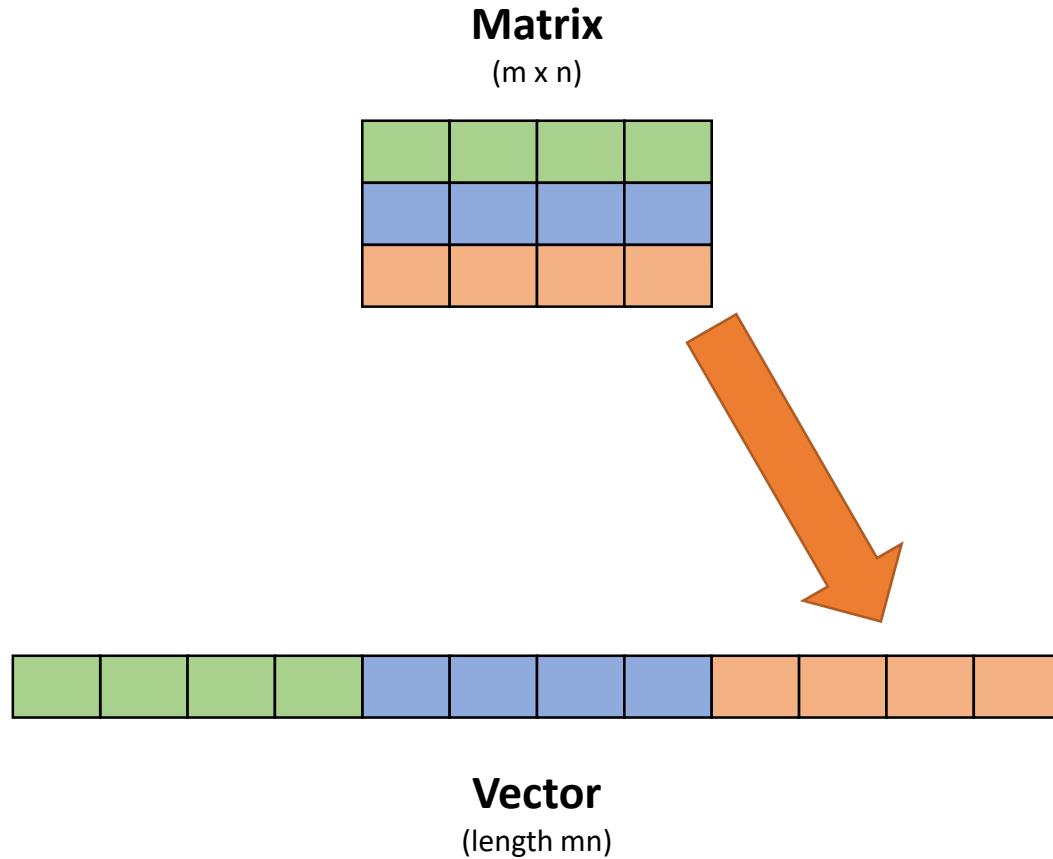
# Matrix in a Vector



# Matrix in a Vector

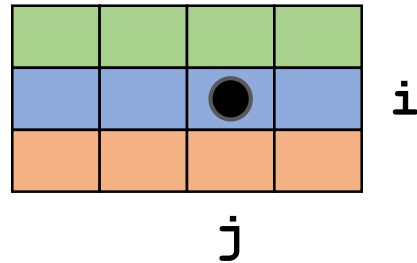


# Matrix in a Vector



# Matrix in a Vector

**Matrix**  
( $m \times n$ )

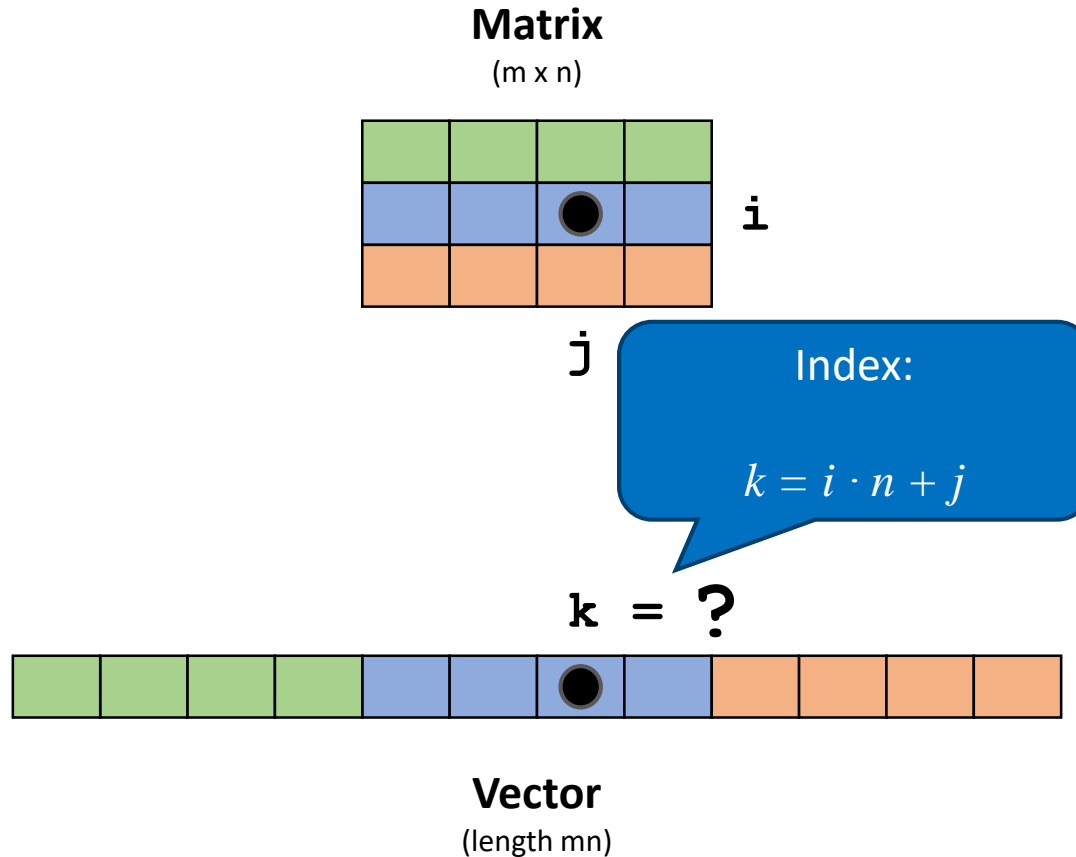


**k = ?**



**Vector**  
(length  $mn$ )

# Matrix in a Vector



# Matrix in a Vector

