



# MODERN COMPUTER VISION

BY RAJEEV RATAN

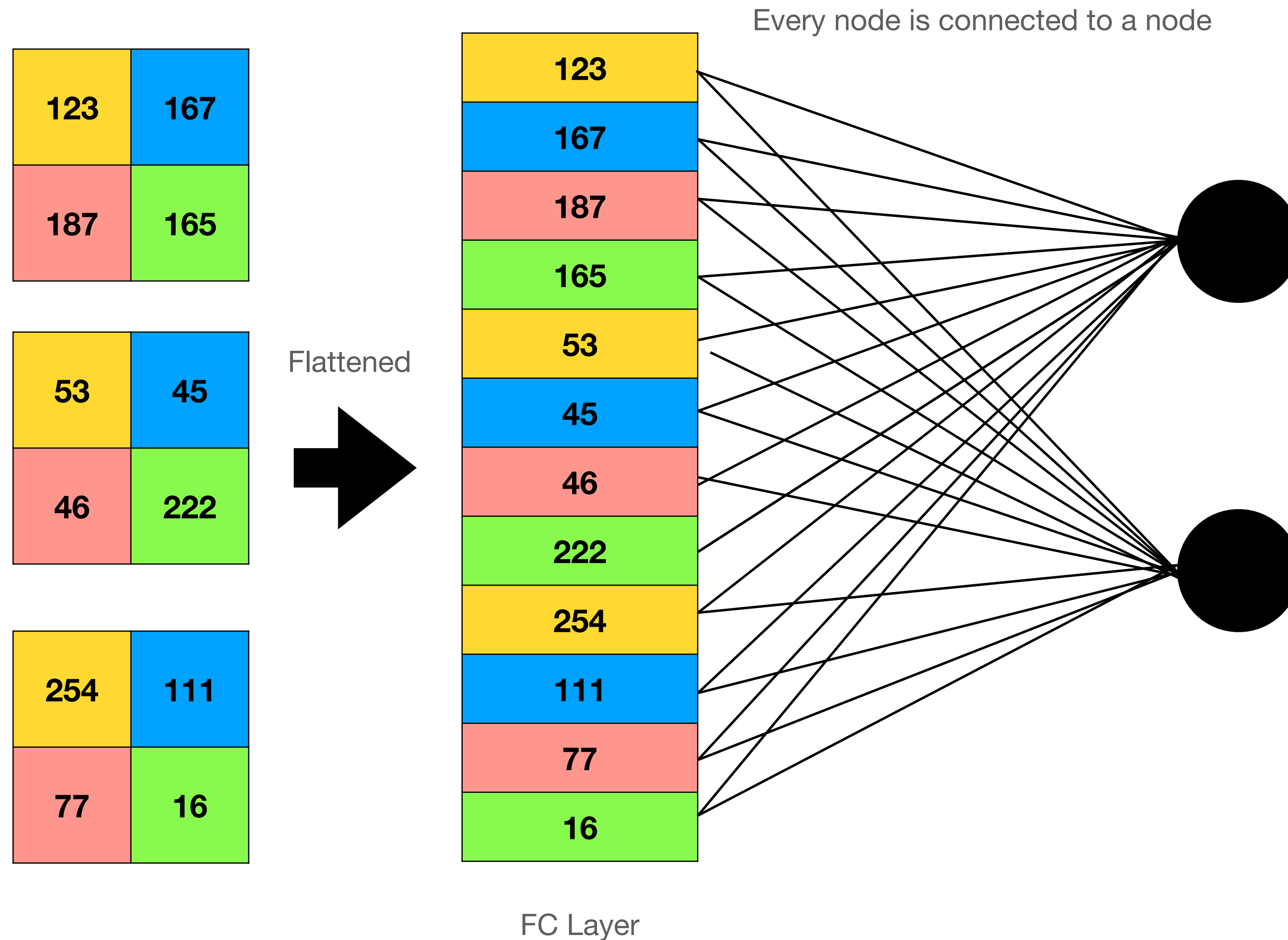
## Fully Connected Layer

We explore the Fully Connected Layer and it's purpose

# What does Fully Connected Mean?

- It means all nodes in one layer are connected to the outputs of the next layer.
- It takes the 3D Volume output of the previous layer and **flattens** it into a single vector that is used for input in the next layer.
- It's sometimes called the Dense Layer

# FC Layer - The Max Pool Layer is Flattened



# Purpose of the Fully Connected Layer

- It compiles the data/outputs extracted from previous layers to form the final output
- It's an easy way of learning non-linear combinations of these features



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# Next...

Softmax Layer