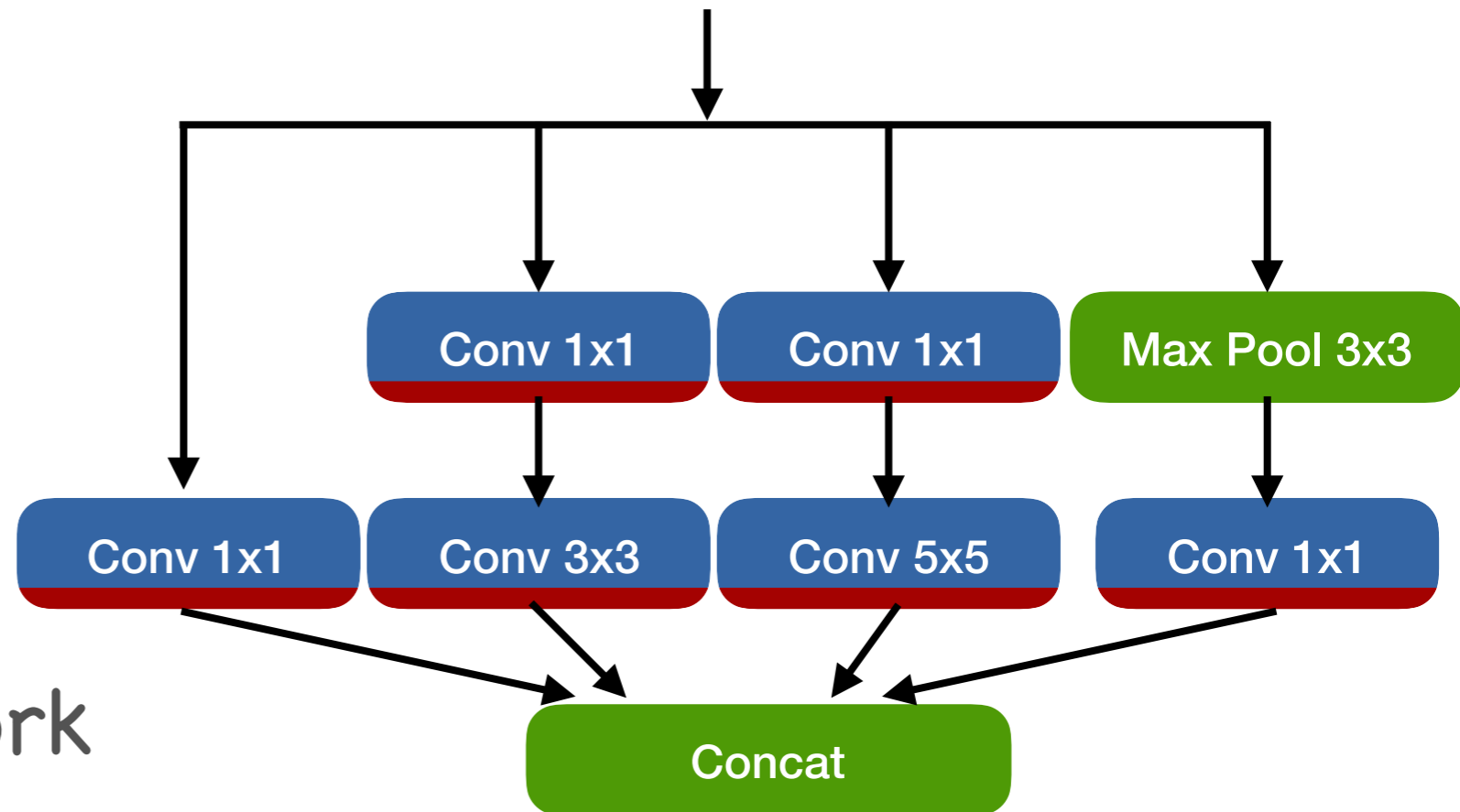


Case Study: Inception architecture

© 2019 Philipp Krähenbühl and Chao-Yuan Wu

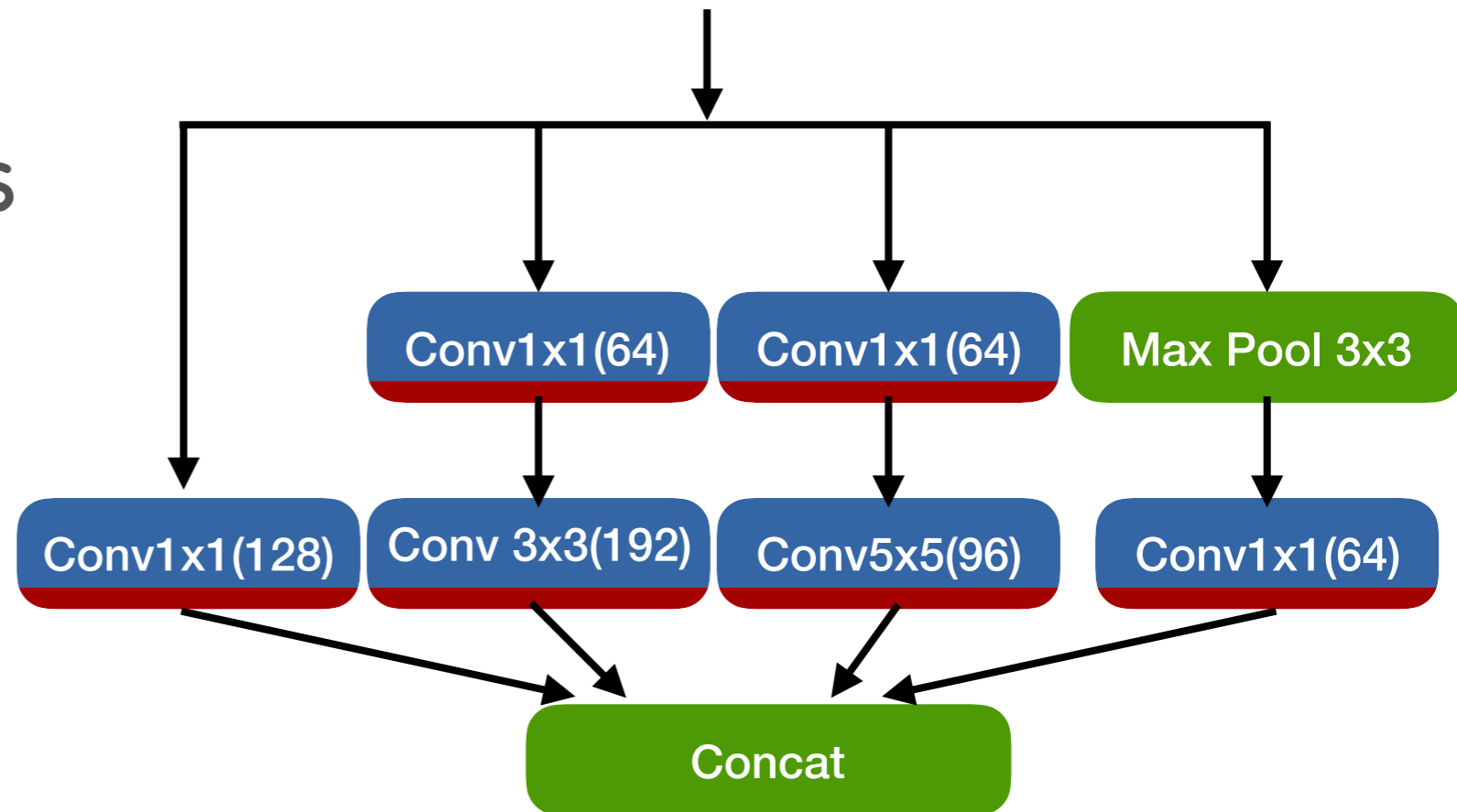
Inception architecture

- GoogLeNet
- Evolution of Network-in-Network

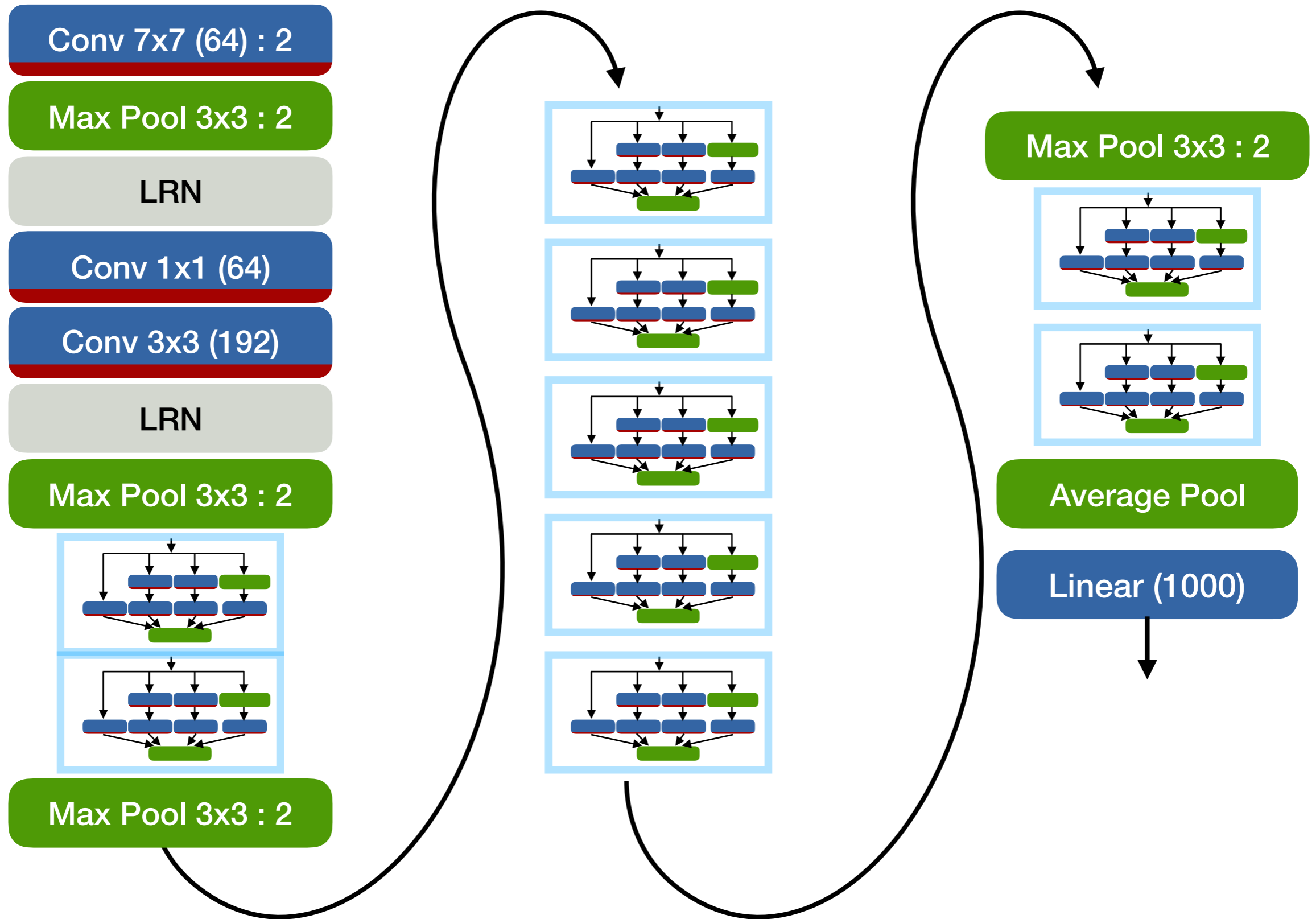


Inception module

- Multiple kernel sizes
- Handle small and large objects
- Factorization
- Fewer parameters



Inception architecture



Training inception

Conv 7x7 (64) : 2

Max Pool 3x3 : 2

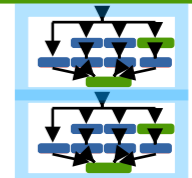
LRN

Conv 1x1 (64)

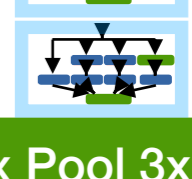
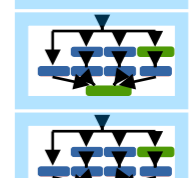
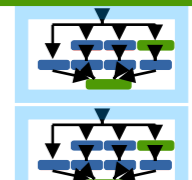
Conv 3x3 (192)

LRN

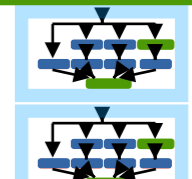
Max Pool 3x3 : 2



Max Pool 3x3 : 2



Max Pool 3x3 : 2



Average Pool

Linear (1000)

Parameters and computation

