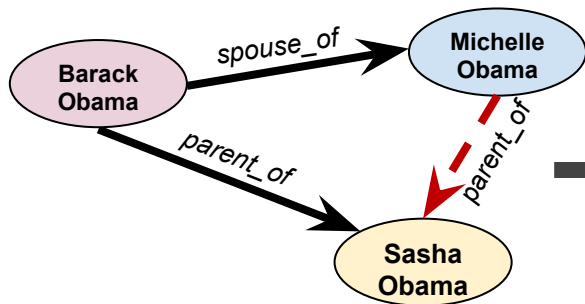


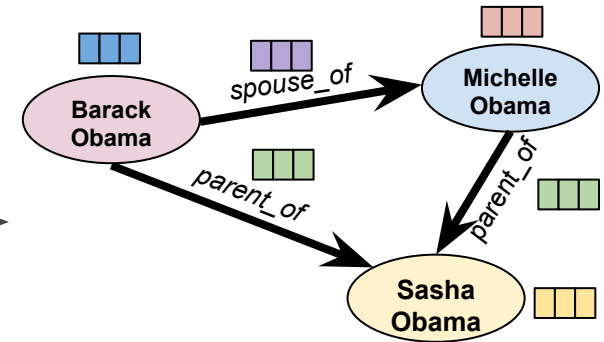


• Link Prediction in Knowledge Graph



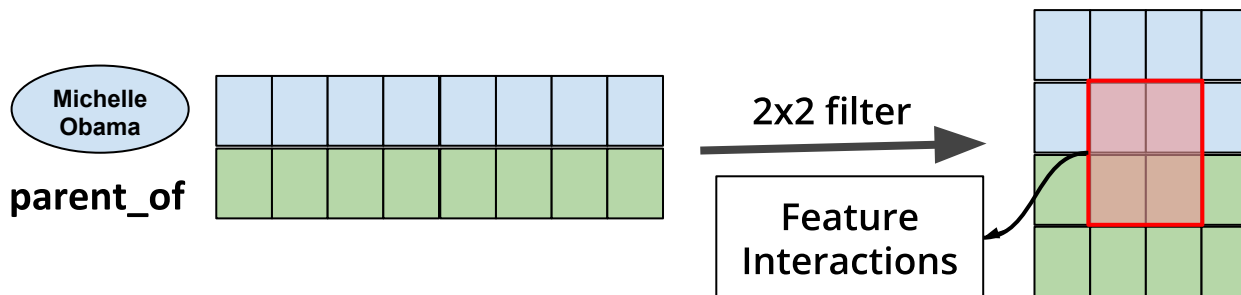
Knowledge Graph

Knowledge Graph
Embedding



Inferring missing links in KG

• Capturing feature interactions is helpful for Link Prediction



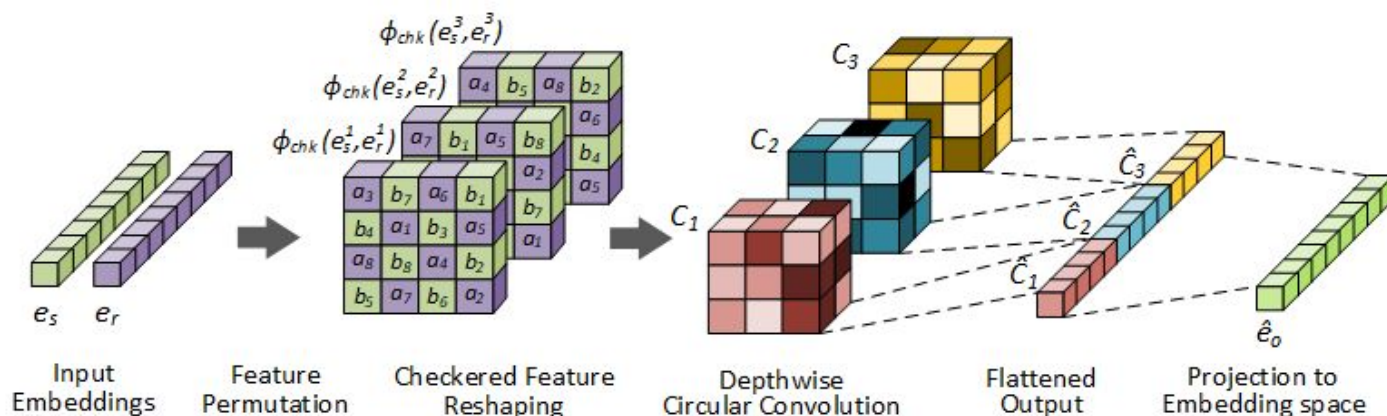
ConvE (2D-Convolution)

But the feature interactions captured in ConvE are **limited!**

Does increasing feature interactions improve Link Prediction performance?

InteractE Overview

Poster #114 - KRR8986



Key attributes

- Feature interaction **permutation**
- **Checked** feature reshaping
- **Circular** convolution
- 13% higher MRR than ConvE on average

