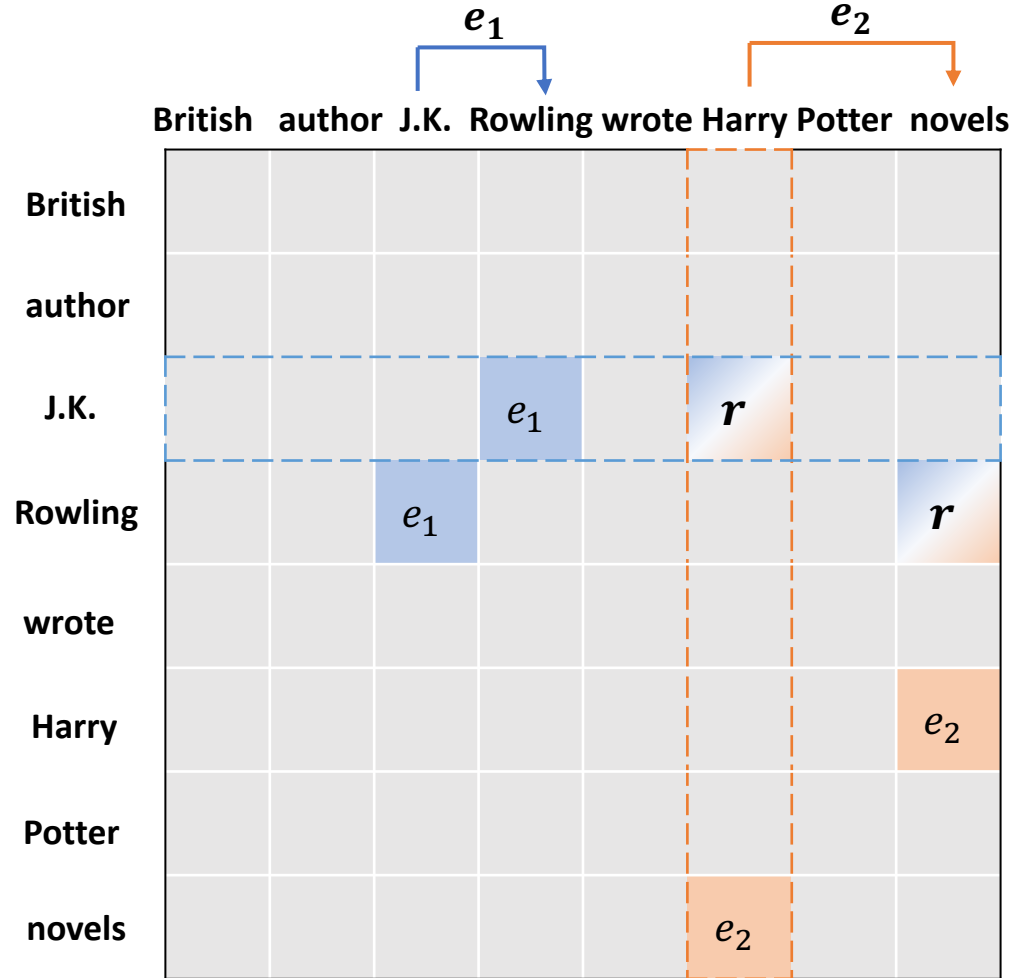


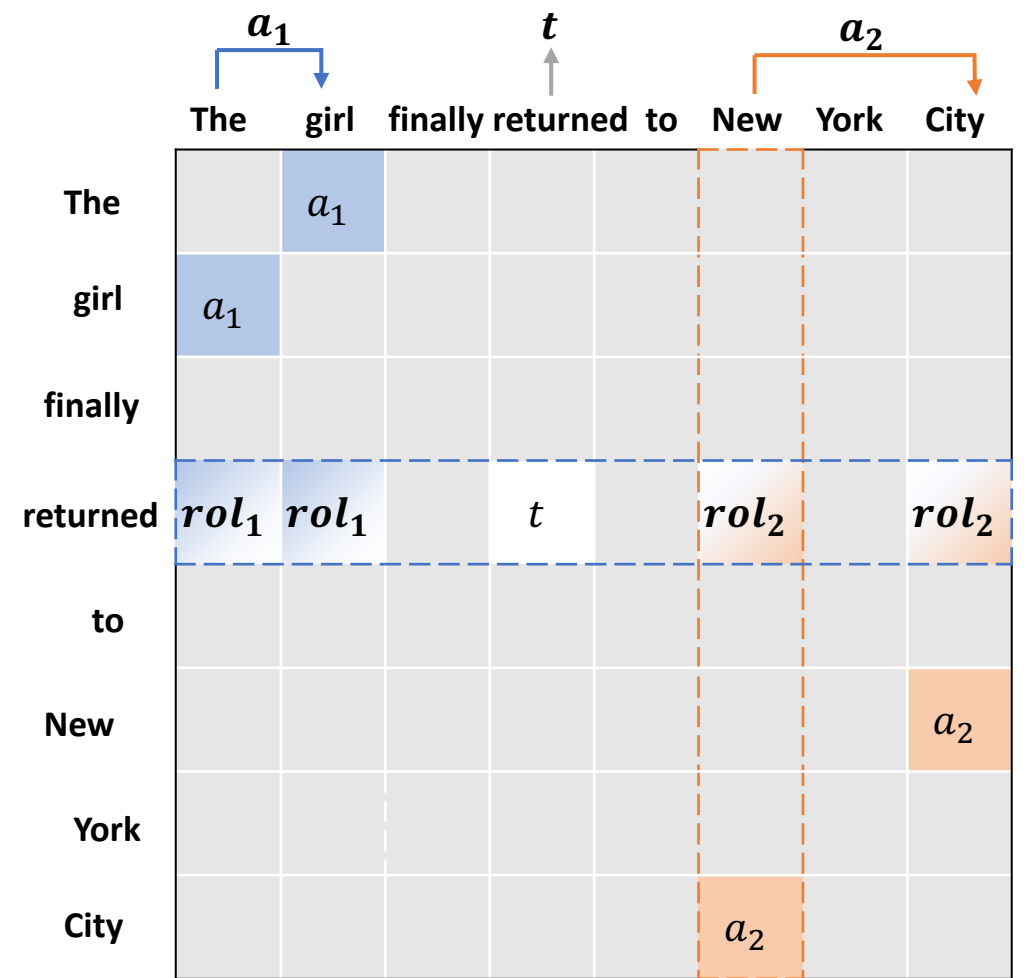
e_1 School of Computer Science e_2 Computer Science

(a) Named Entity Recognition



e_1 J.K. Rowling e_2 Harry Potter novels r Author

(b) Relation Extraction



a_1 The girl a_2 New York City
 rol_1 Artifact rol_2 Destination t Transport

(c) Event Extraction