(3) Prompt type III: soft positioning

| Position Embedding | E1 | E2 | E3 | E3 | E4 | E5 | E5 | E6 | E7 | E8 |

Serialized Input: COL | Column name 1 | | VAL | Entity 1 | | Entity 2 | | COL | Column name 2

Injected Knowledge: Column type 1 | Text Span 1 | Text Span 2

Option 3

(2) Prompt type II: slash

COL | Column name / Column type | VAL | Entity 1 / Text Span 1 | Entity 2 / Text Span 2 | COL | Column name 2

Option 2

(1) Prompt type I: space

COL | Column name 1 | Column type 1 | VAL | Entity 1 | Text Span 1 | Entity 2 | Text Span 2 | COL | Column name 2

Option 1

(a) Column Semantic type augmentation

(b) Entity Semantic type augmentation

WIKIDATA

Entry e₁

[SEP]

Entry e₂

Transformer Layer

Transformer Layer

	COL1	COL2	COL3
ROW1			
ROW2			
ROW3			