

# Input Sequence ( $x_t$ )

The input sequence ( $x_t$ ) is a sequence of tokens representing a graph structure and associated information. The tokens are color-coded and arranged as follows:

- PROMPT** (light blue)
- SRC** (light blue)
- 0** (light orange)
- TGT** (light blue)
- 4** (light orange)
- GRAPH** (light blue)
- (** (light orange)
- 1** (light orange)
- 2** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 1** (light orange)
- 3** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 1** (light orange)
- 4** (light orange)
- [MASK]** (black)
- FB** (light green)
- )** (light orange)
- (** (light orange)
- 2** (light orange)
- 3** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 2** (light orange)
- 4** (light orange)
- [MASK]** (black)
- FB** (light green)
- )** (light orange)
- (** (light orange)
- 3** (light orange)
- 4** (light orange)
- [MASK]** (black)
- FB** (light green)
- )** (light orange)
- (** (light orange)
- 2** (light orange)
- 0** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 3** (light orange)
- 1** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 4** (light orange)
- 2** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 1** (light orange)
- 0** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 3** (light orange)
- 0** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 4** (light orange)
- 1** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- (** (light orange)
- 4** (light orange)
- 3** (light orange)
- FB** (light green)
- [MASK]** (black)
- )** (light orange)
- NODES** (light blue)
- (** (light orange)
- 0** (light orange)
- [LVL0]** (light orange)
- [NIL]** (light purple)
- )** (light orange)
- (** (light orange)
- 1** (light orange)
- [INF]** (light purple)
- [NIL]** (light purple)
- )** (light orange)
- (** (light orange)
- 2** (light orange)
- [INF]** (light purple)
- [NIL]** (light purple)
- )** (light orange)
- (** (light orange)
- 3** (light orange)
- [INF]** (light purple)
- [NIL]** (light purple)
- )** (light orange)
- (** (light orange)
- 4** (light orange)
- [INF]** (light purple)
- [NIL]** (light purple)
- )** (light orange)
- [EOA]** (light blue)
- [MASK]** (black)

**Remask (c[0])**

**Insert (c[1])**

## Delete (c[2])

**Next Sequence ( $x_{t+1}$ )**

PROMPT SRC 0 TGT 4 GRAPH ( 1 2 FB [MASK] ) ( 1 3 FB [MASK] ) ( 1 4 [MASK] FB ) ( 2 3 FB [MASK] ) ( 2 4 [MASK] FB ) ( 3 4 [MASK] FB ) ( 2 0 FB [MASK] ) ( 3 1 FB [MASK] ) ( 4 2 FB [MASK] ) ( 1 0 FB [MASK] ) ( 2 0 FB [MASK] ) ( 4 1 FB [MASK] ) ( 4 2 FB [MASK] ) ( 0 NODES ( 0 [LVLO] [INTL] ) ( 1 [TNE] [INTL] ) ( 2 [TNE]

[NIL] ) ( 3 [INF] [NIL] ) ( 4 [INF] [NIL] ) [EOA] [EOS]