Diffusion Inference Process
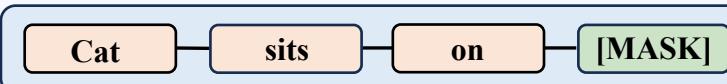
Step t → Step t + 1

Diffusion Unmasking

Step t: Cat — [MASK] — on — [MASK] — Bi-directional Attention
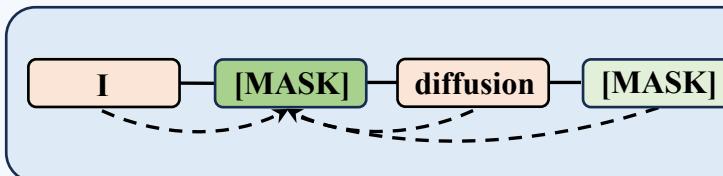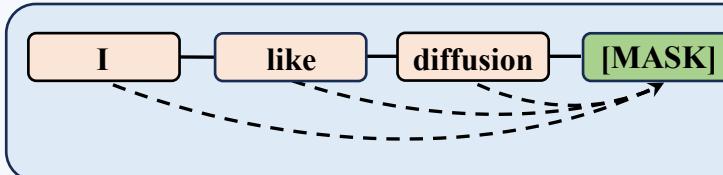
Step t + 1: Cat — sits — on — [MASK] — Bi-directional Attention
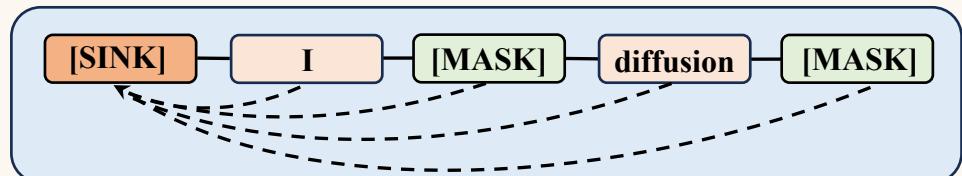
Moving Sink Issue in DLMs

I — [MASK] — diffusion — [MASK]

Diffusion Unmasking

I — like — diffusion — [MASK]

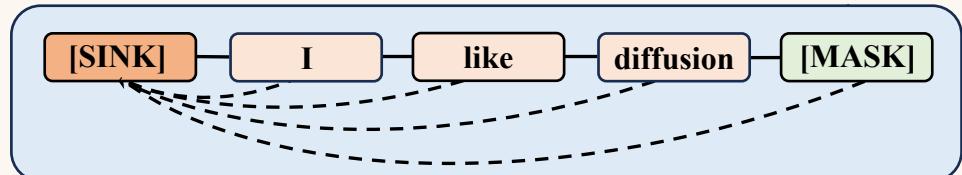**Position-Stable Sink Token**

[SINK] — I — [MASK] — diffusion — [MASK]

Diffusion Unmasking

[SINK] — I — like — diffusion — [MASK]

[MASK] Mask token [MASK] Sink mask token [SINK] Position-stable sink token

High attention concentration Bi-directional Attention