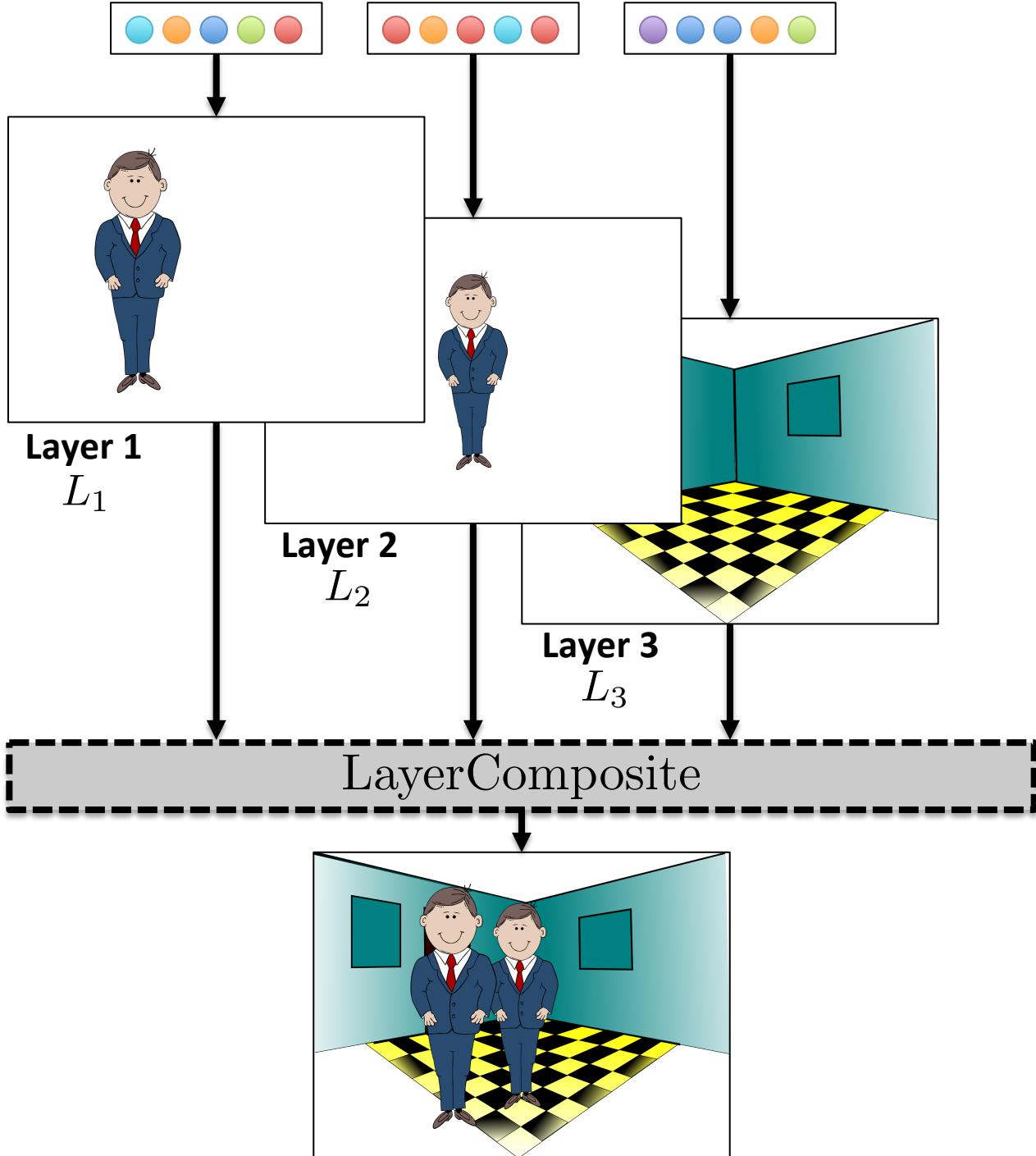
 $x_{obs}$



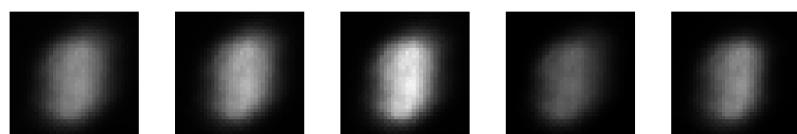
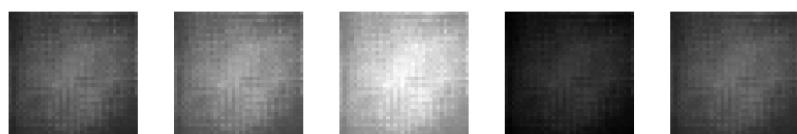
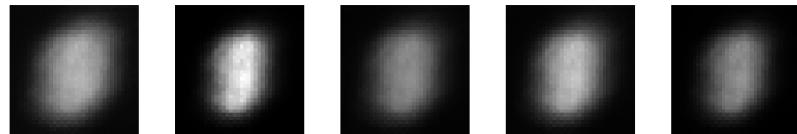
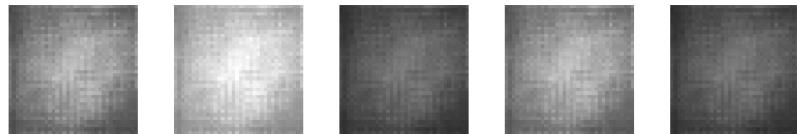
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7	1	6	1	2	7	2	1	8	9	0	9	8	1	7	2	3	2	3
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1	2	6	1	4	4	7	2	2	8	9	2	2	6	1	4	3	1	5
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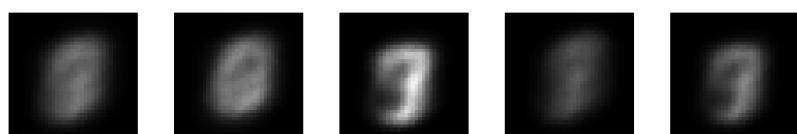
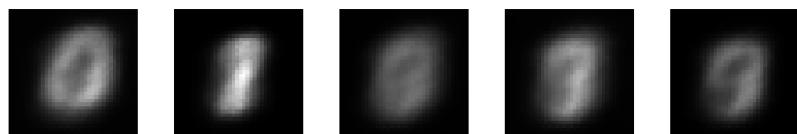
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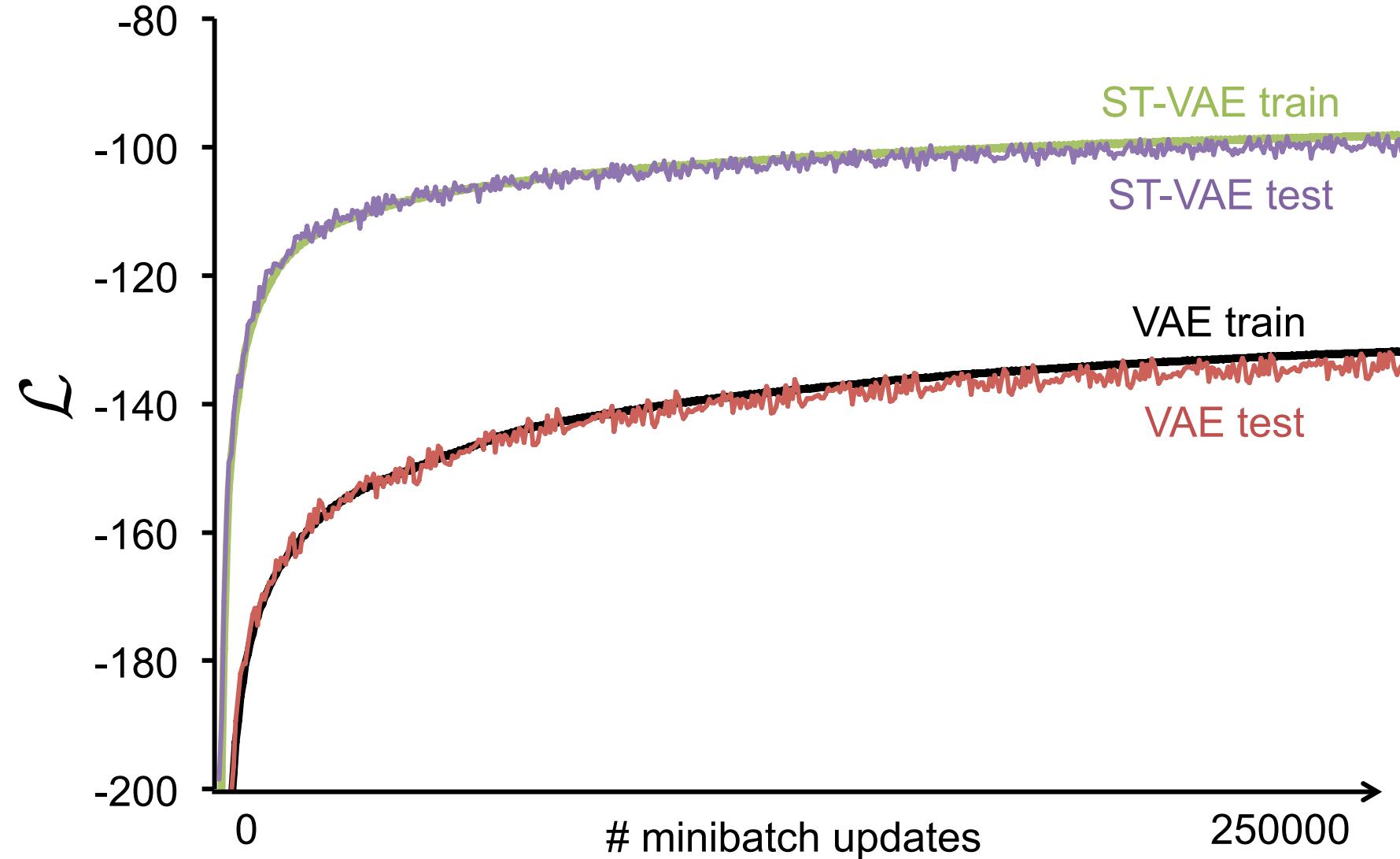


**t=1**



**t=20**

**t=200**



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0	8	0	3	3	0	7	0	4	0	9	7	6	8	9	7	2	4	8	2
7	6	4	8	9	2	0	3	0	4	5	0	6	0	3	8	6	8	1	6

3	3	3 <sup>3</sup>	3 <sup>3</sup>	4	4	4	4	3	2	2 <sup>3</sup>	2 <sup>3</sup>	3	9	3	8	9	3	3 <sup>9</sup>	3 <sup>9</sup>
3	7	7 <sup>3</sup>	7 <sup>3</sup>	9	3	3	3	4	5	5	4	8	6	6	6	8	6	6	6
7	4	4 <sup>1</sup>	4 <sup>1</sup>	0	9	0	0	1	9	9	8	1	2	2	1	2	1	3	3

## Observed images



## Inferred explanations

Reconstruction



1<sup>st</sup> layer



2<sup>nd</sup> layer



$$f_C(\cdot;\theta_C)$$

$$f_T(\cdot;\theta_T)$$

$$z_i^C$$

$$C_i$$

$$z_i^T$$

$$T_i$$

$$z^T$$

$$\boldsymbol{x}$$

$$L_i$$

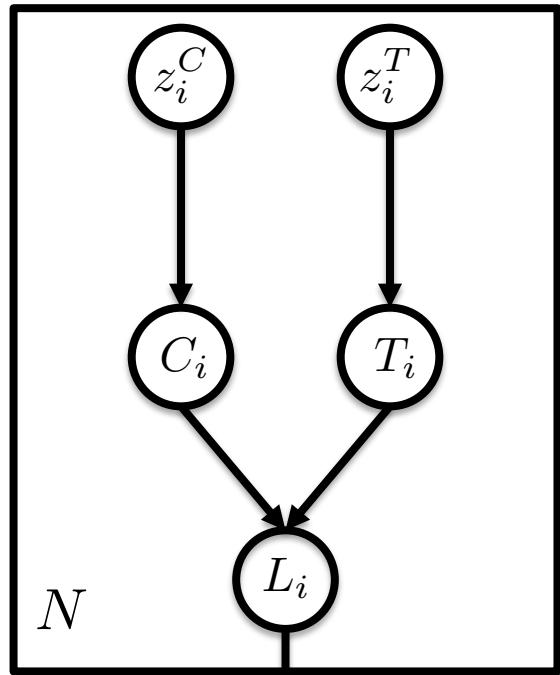
$$z^C$$

$$STN(C,T)$$

$$C$$

$$L$$

$$\boldsymbol{T}$$



$x$

