Scenario: Computing gradient for a batch of two examples

$$X'_{1} \times W'_{2} \rightarrow \Lambda'_{1}$$
 $X'_{2} \times W'_{2} \rightarrow \Lambda'_{1}$
 $X'_{3} \times W'_{4} \rightarrow \Lambda'_{1}$
 $X'_{4} \times W'_{4} \rightarrow \Lambda'_{2}$
 $X'_{2} \times W'_{4} \rightarrow \Lambda'_{2}$
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 $X'_{3} \times W'_{4} \rightarrow \Lambda'_{2}$
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Topological order:

Backprop:

$$\frac{dL}{d0} = W^{2} + \lambda dt - \frac{1}{\lambda}$$

$$\frac{dL}{d0} = W^{2} + \lambda dt + \frac{1}{\lambda}$$

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$$\frac{dL}{d0} = \frac{dL'}{d0} \times \frac{dL}{d0} + \frac{dL'}{d0} \times \frac{dL}{d0}$$

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