Attention based models in End-to-End ASR

Exploration of Attention in ESPNET toolkit

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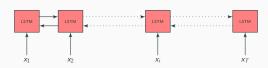
Table of contents



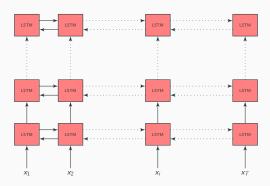
- 1. Introduction
- 2. First
- 3. Second
- 4. Third

Introduction

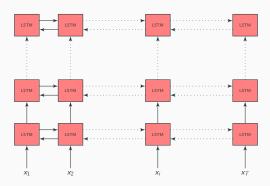




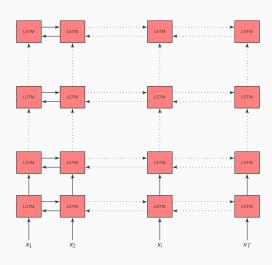




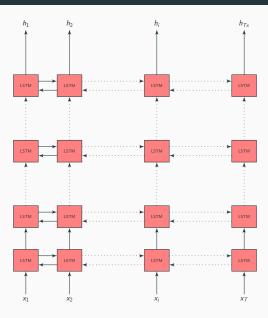




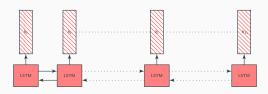






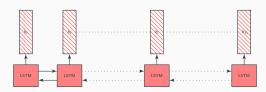




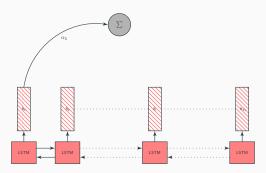




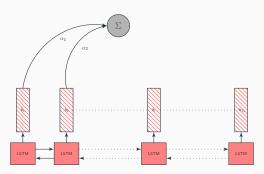




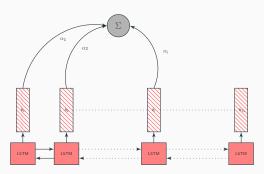




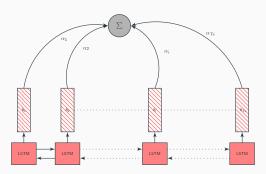




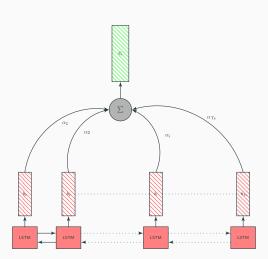




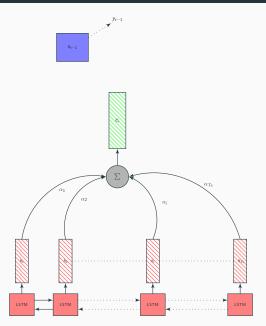




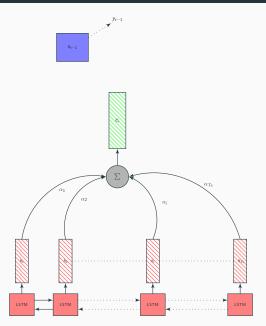




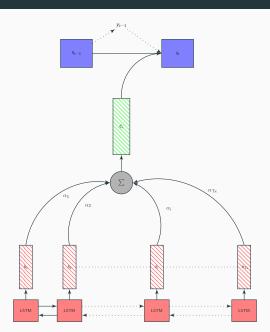




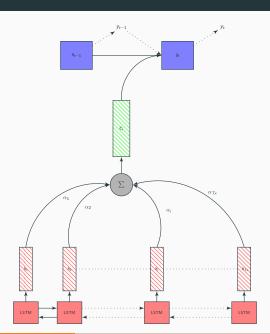






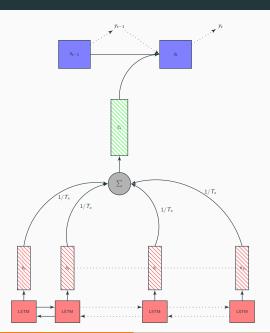






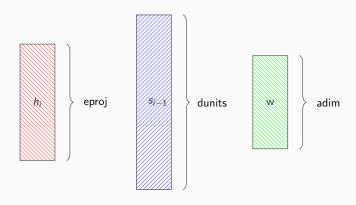
No Attention [Equal Attention?]





Dimensions of representations

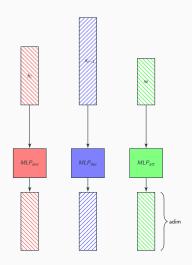




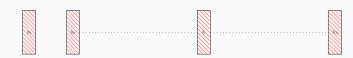
Mostly $eproj \neq dunits \neq adim$

Matching the dimensions of representations

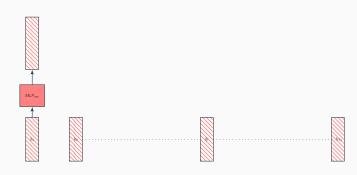




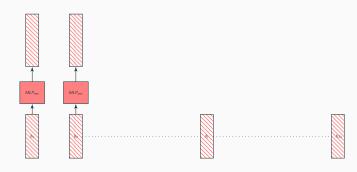




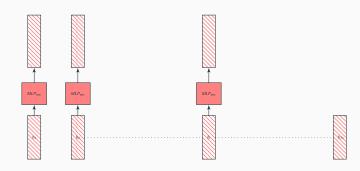




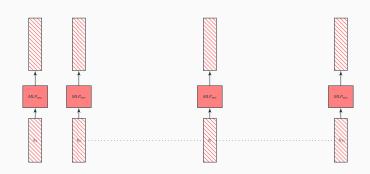




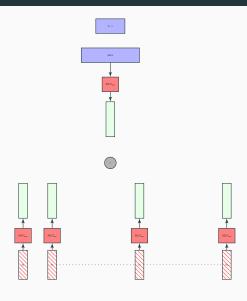




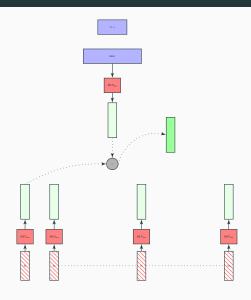




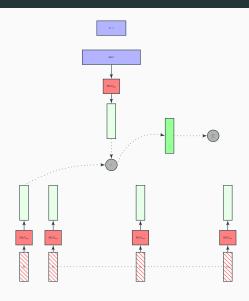




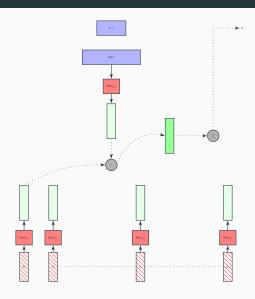




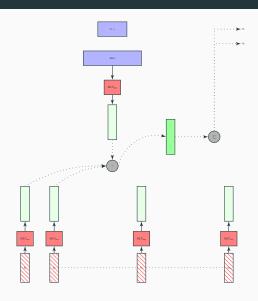




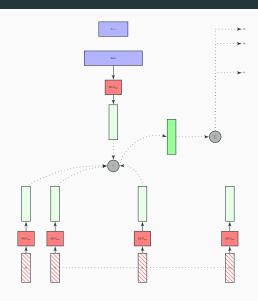




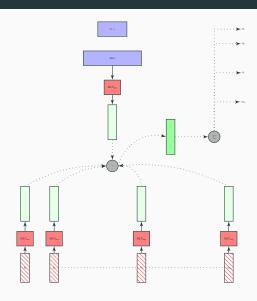




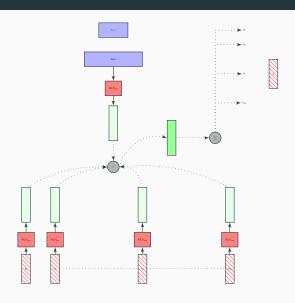




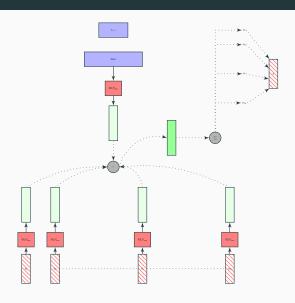




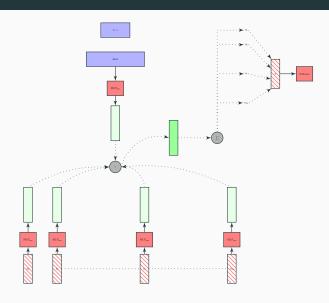




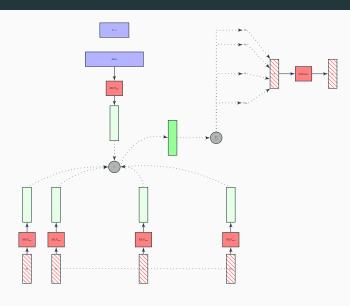




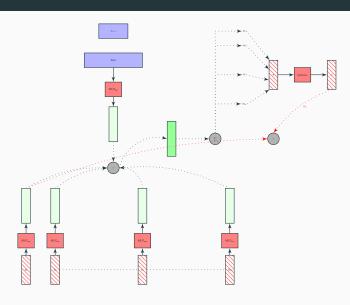




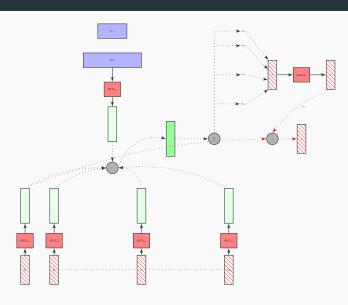




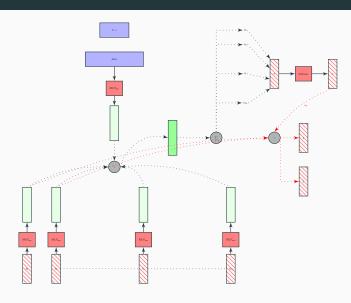




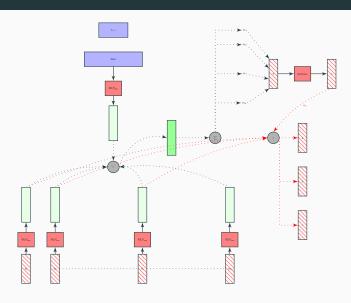




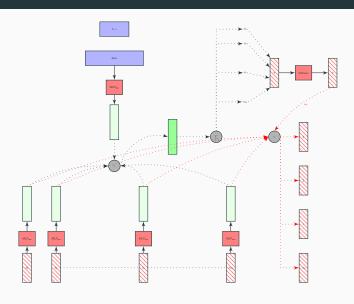




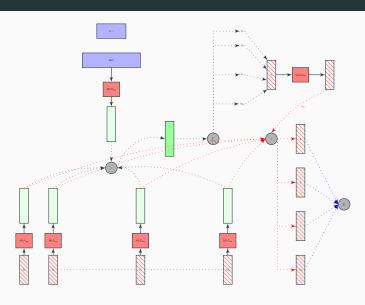




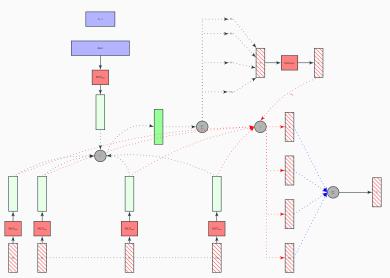












First

Second

Third