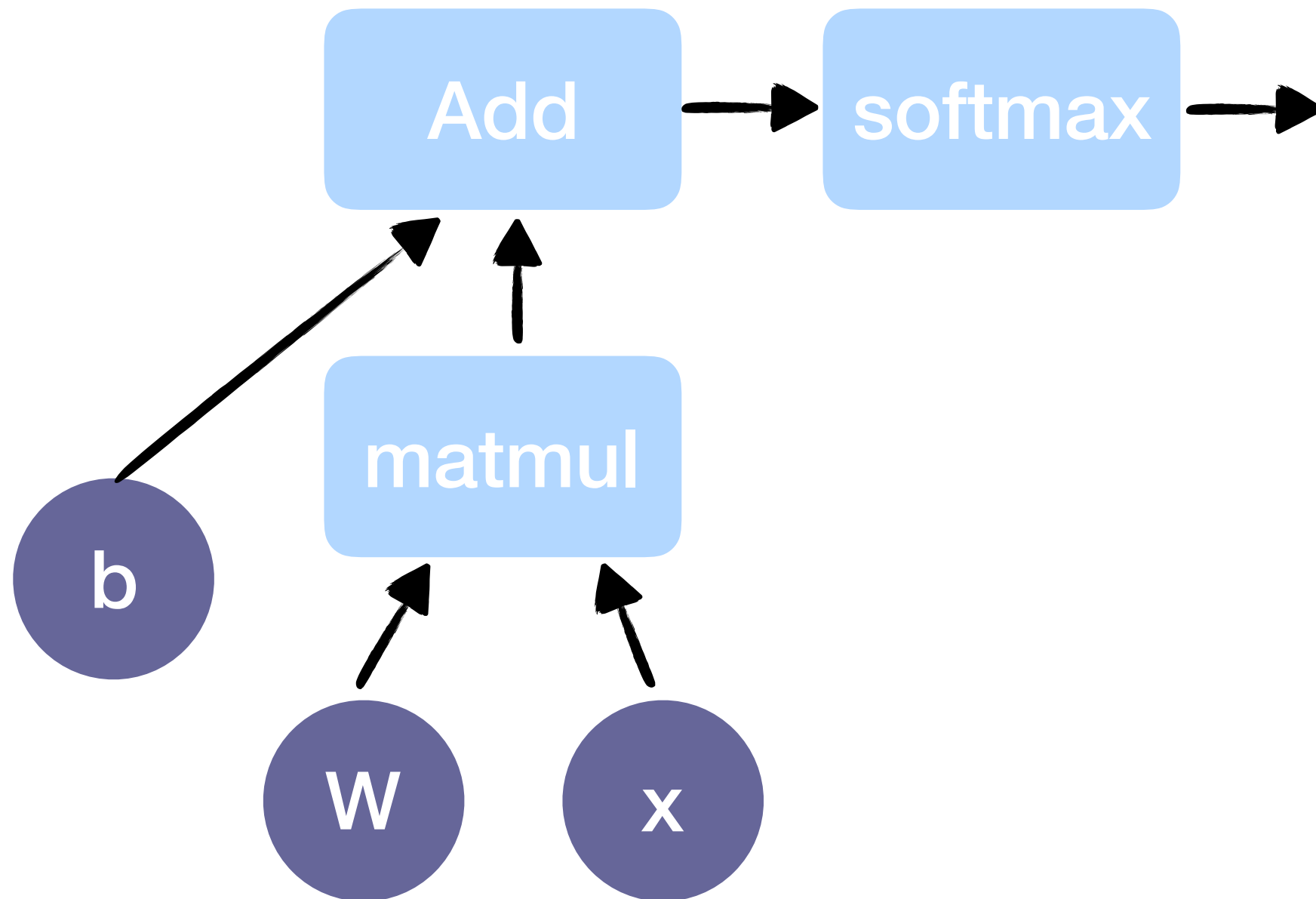


Introduction to TensorFlow

- **Open Source**
- **(static) data flow graphs**
- **Express algorithms**
- **Execute at scale or embedded**

Express numerical computation as graph



a3_m1_s2_v1_tfintro

Cross-Entropy

$$H(p, q) = - \sum_x p(x) \log q(x).$$

Cross-Entropy

$$-\sum_i y'_i \log(y_i)$$

Cross-Entropy

$$-\sum_i y'_i \log(y_i)$$

Cross-Entropy

$$-\sum_i y'_i \log(y_i)$$

a3_m1_s2_v1_tfintro

Summary

Introduction to TensorBoard