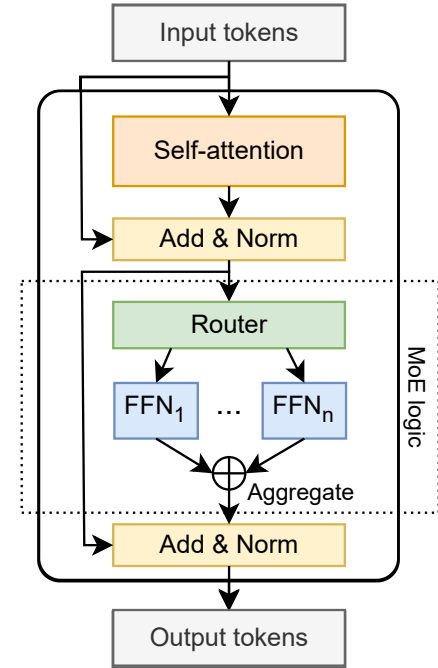
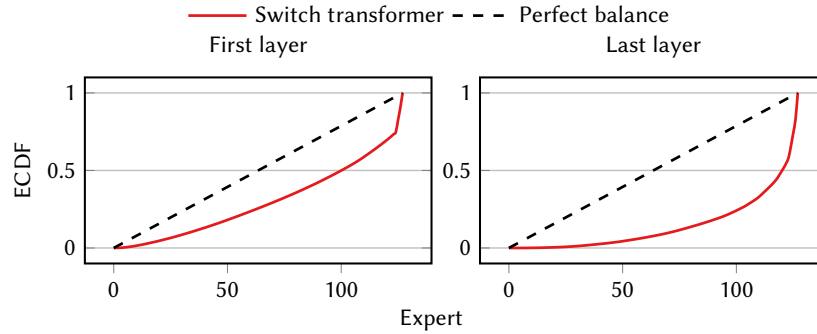
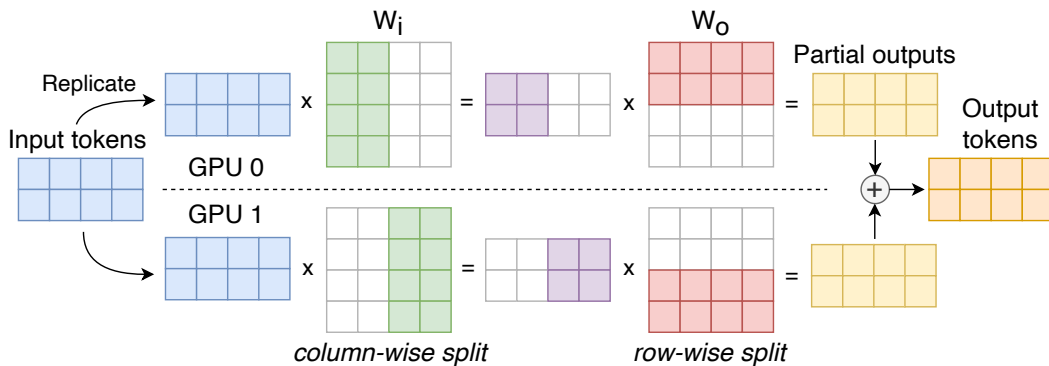
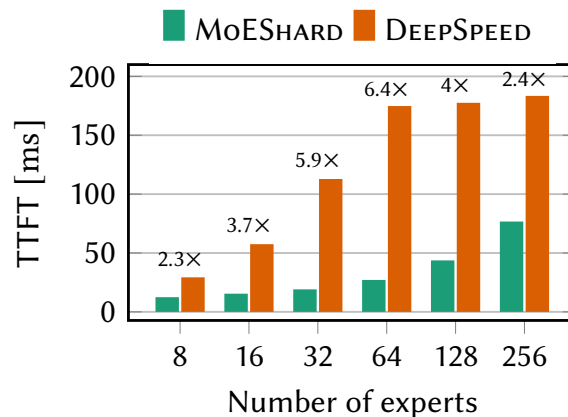


- MoE blocks in place of Linear layers
- Expert parallelism
- Expert imbalance ➤ workload imbalance





- Tensor Sharding
- Block Sparse Matrix Multiplication¹
- Perfect load balancing
- No token dropping
- Up to 6.4× faster than DeepSpeed



¹ Gale, Trevor, et al., MLSys 2023