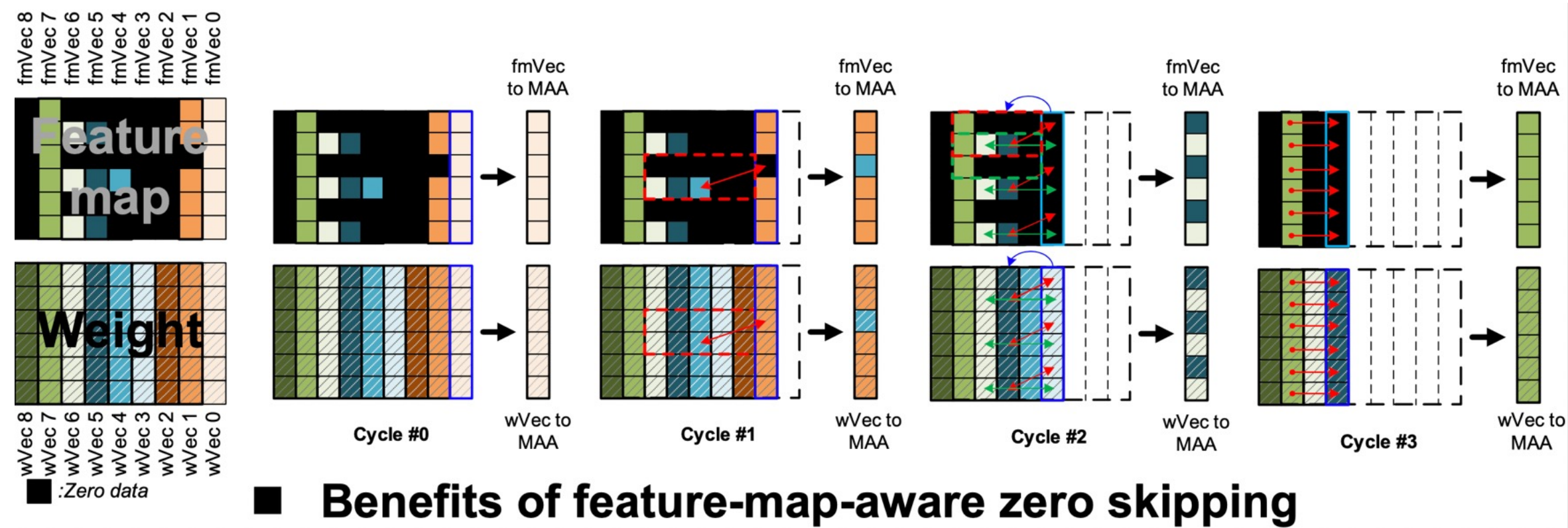


Optimization – Zero-skipping (optional)

- Zero-skipping on Board

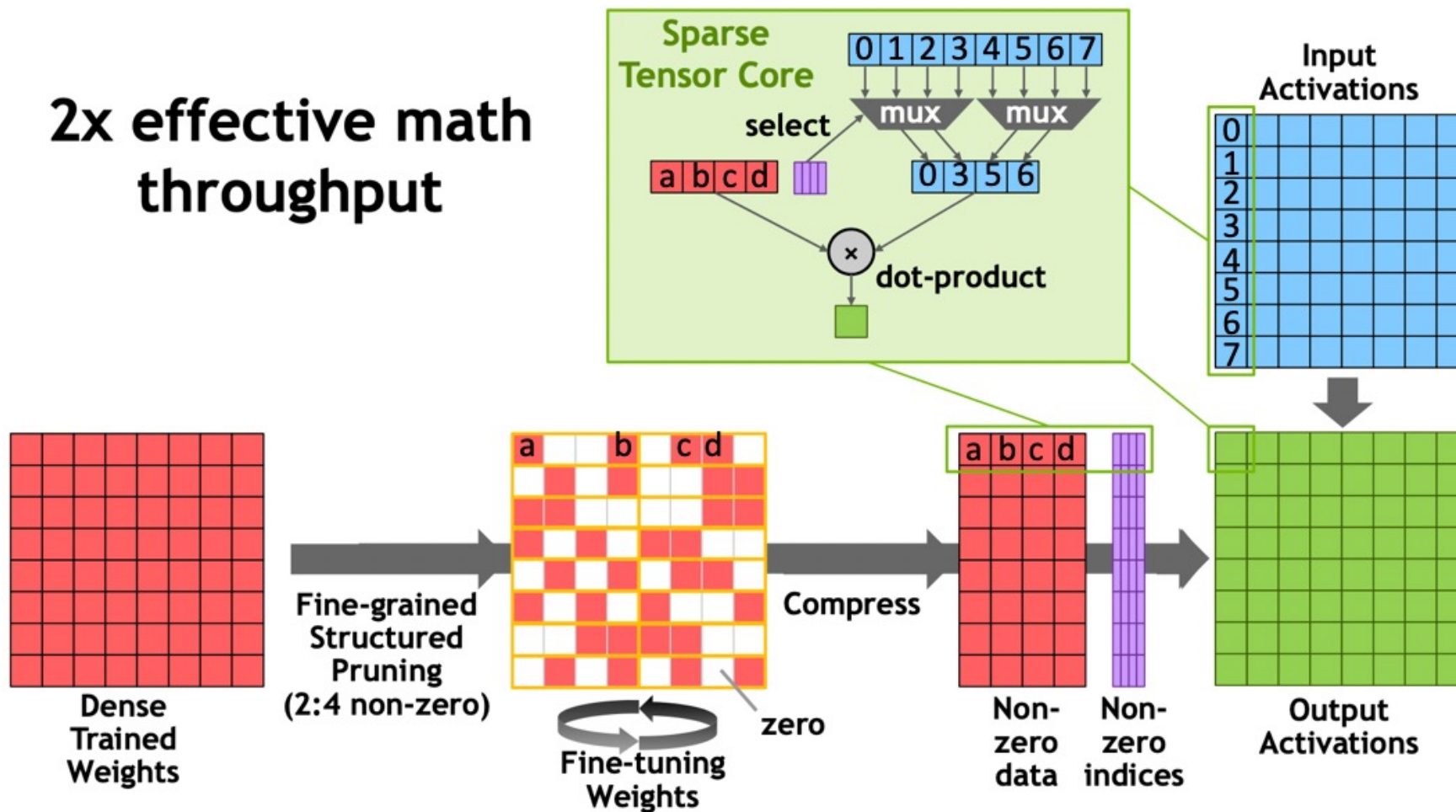
Computing Memory Architecture Lab.

Zero Skipping



Zero Skipping

2x effective math throughput



Optional Project - Zero-Skipping

Upgrade your IP

- Reduce zero data operations
 - Zero data transmission is redundant
 - Zero data calculation is redundant
- Filtering zeroes can be done either in HW or SW.
 - Either way, data calculation time must be reduced.
 - You can choose any methods to implement zero-skipping based on our baseline design.
 - Focus on implementing it, rather than improving its performance.