Domain-specific computing

- H&P cite performance gains via domain-specific architectures
- Expansion of historical concepts: math co-processors for early x86 chips, and GPUs
- Key: architecture maps to a specific application or problem class (TPU example)
- Tensor Processing Unit (TPU) used by Google for DNN & optimized to outperform CPUs and GPUs in cycles and energy efficiency
 - Removal of features required by general-purpose CPUs
 - Add a large two dimensional multiply unit
 - Use eight-bit integers since DNN do not require high precision

