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Question 1:
How long does it take to load 200B bf 16 model
into the systolic array of 32 TPV V4D
  from HBM
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$$= \frac{2 \times 1 \times 100}{19.2 \times 10^3}$$

$$= 10.4 \times (6)$$

Question 2: 7PU V5e pod THOW many CPU hosts are there? TPU vSe Pod size = 16 x 16 Every 4x2 contains a CPU  $50 = \frac{16}{4} \times \frac{16}{2} = 4 \times 8 = 32$  CPU hosts 2) How many Thu Tensor Cores? 16 × 16 × 1 = 256 TPU use has TPU core per chip

3) Total FLOPs/sec for the whole pod  $1.97 \times 10^{14} \times 16 \times 16 = 504.32 \times 10^{14} = 5.04 \times 10^{16}$ 

(4) Total HBIM = 16 GB x 16 x 16 = 4096 GB = 4TB

Question 3: PCIe operational intensity