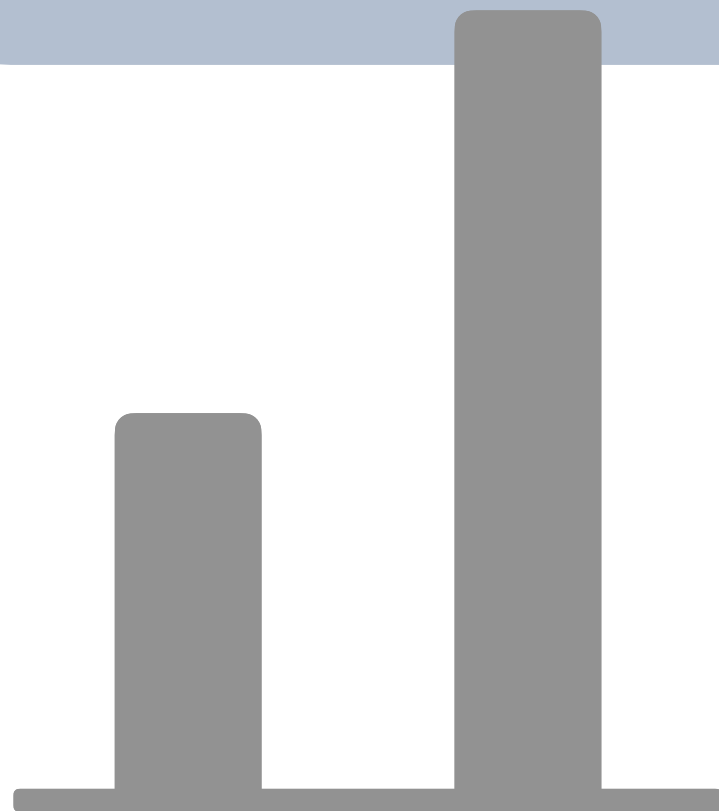


16bit



MODEL  
PARAMETERS

OPTIMIZER  
STATE (AdamW)

16bit + LoRA



MODEL  
PARAMETERS

OPTIMIZER  
STATE (AdamW)

4bit+LoRA



QUANTIZED MODEL  
PARAMETERS

OPTIMIZER  
STATE (AdamW)