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Bias-aware Contrastive
Learning Loss

$\mathcal{L}_{\text{MeCoQ}}$

Step 2: Code Memory Update

dequeue

$\mathcal{M}^t$

Code Memory

enqueue

p_q

p_k

quantization
codes

$\mathcal{M}^{t+1}$

Code Memory
(after update)

Step 1: Contrastive Quantization Learning

(Best viewed in color.)