Precliminary: BYOL:

to I image 6~ Jo(n)

0 ~ 7 (v)

orline Net: Backhone with GEPZ,

Torque Net: similar to online But No MLP predictor.

BYOL + stop gradual prents collapse. (on target wet)

 $l_{10} = log = -cos(q, z') = \frac{\langle q, z' \rangle}{||q||_{2}||z'||_{2}}$

Byol target parameters update

 $c \in [0, 1]$

multi-instance Douta. Positive Samples in