2-D Couple 1
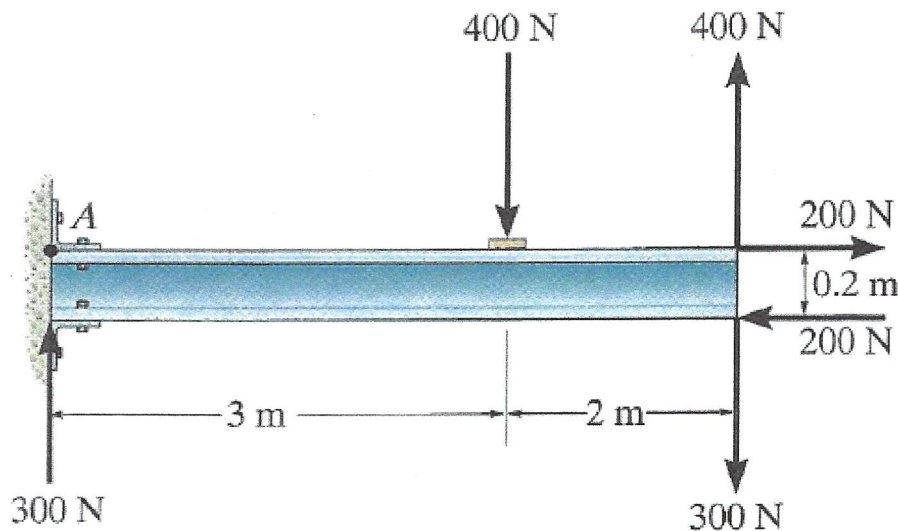
Determine the resultant magnitude and sense of the couple moment acting on the beam.

$C_{400} = 400 N \times 2m = 800 Nm \; CCW$

$C_{300} = 300 N \times 5m = 1500 Nm \; CW$

$C_{200} = 200 N \times 0.2m = 40 Nm \; CW$

Call   CCW   NEGATIVE

$\Sigma C = -800 + 1500 + 40 = \underline{\underline{740 Nm \; CW}}$