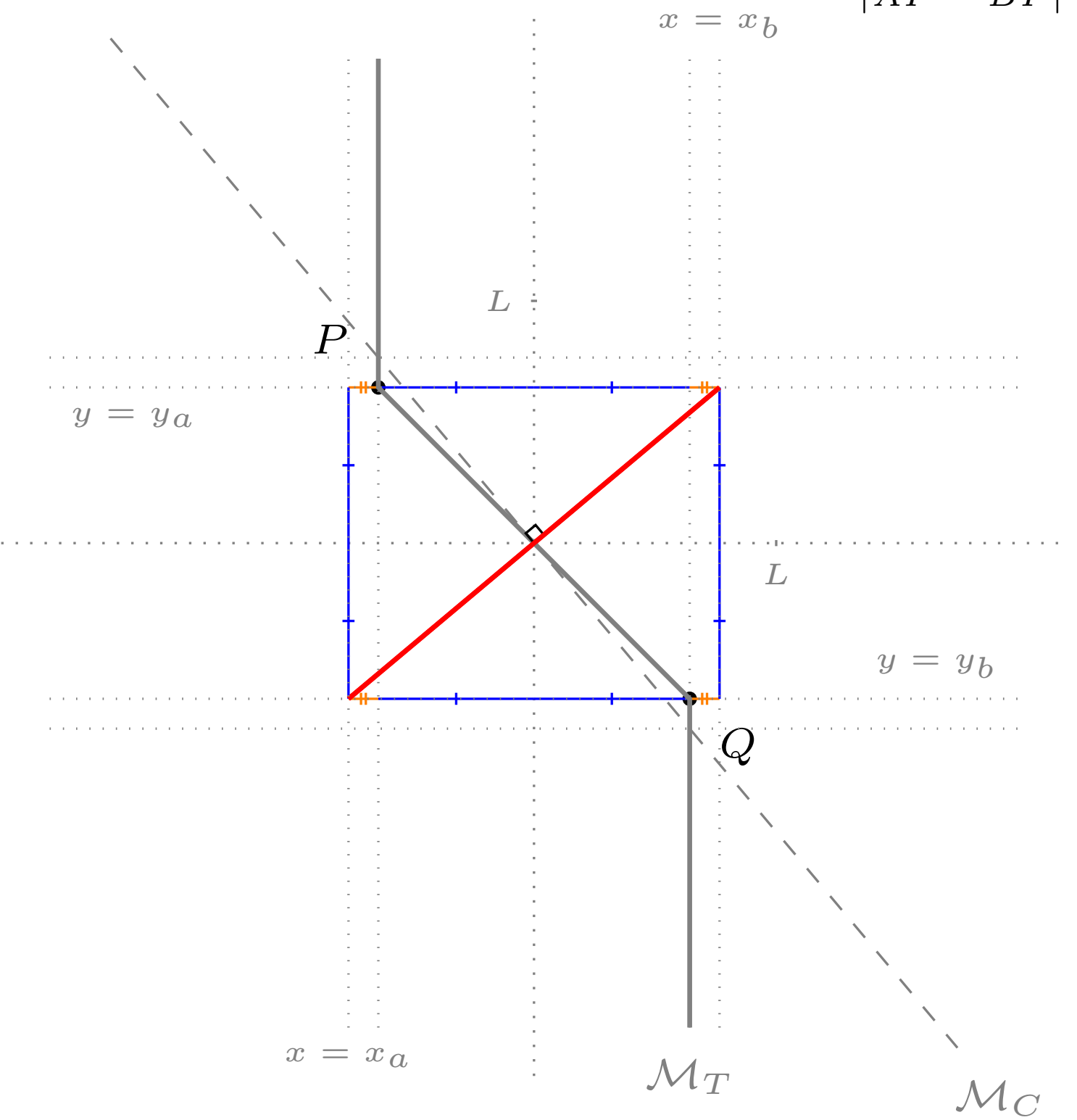
Case: I.a

$|AQ - BQ| = 0.0$

$|AP - BP| = 0.0$



$\theta = 40.0°$