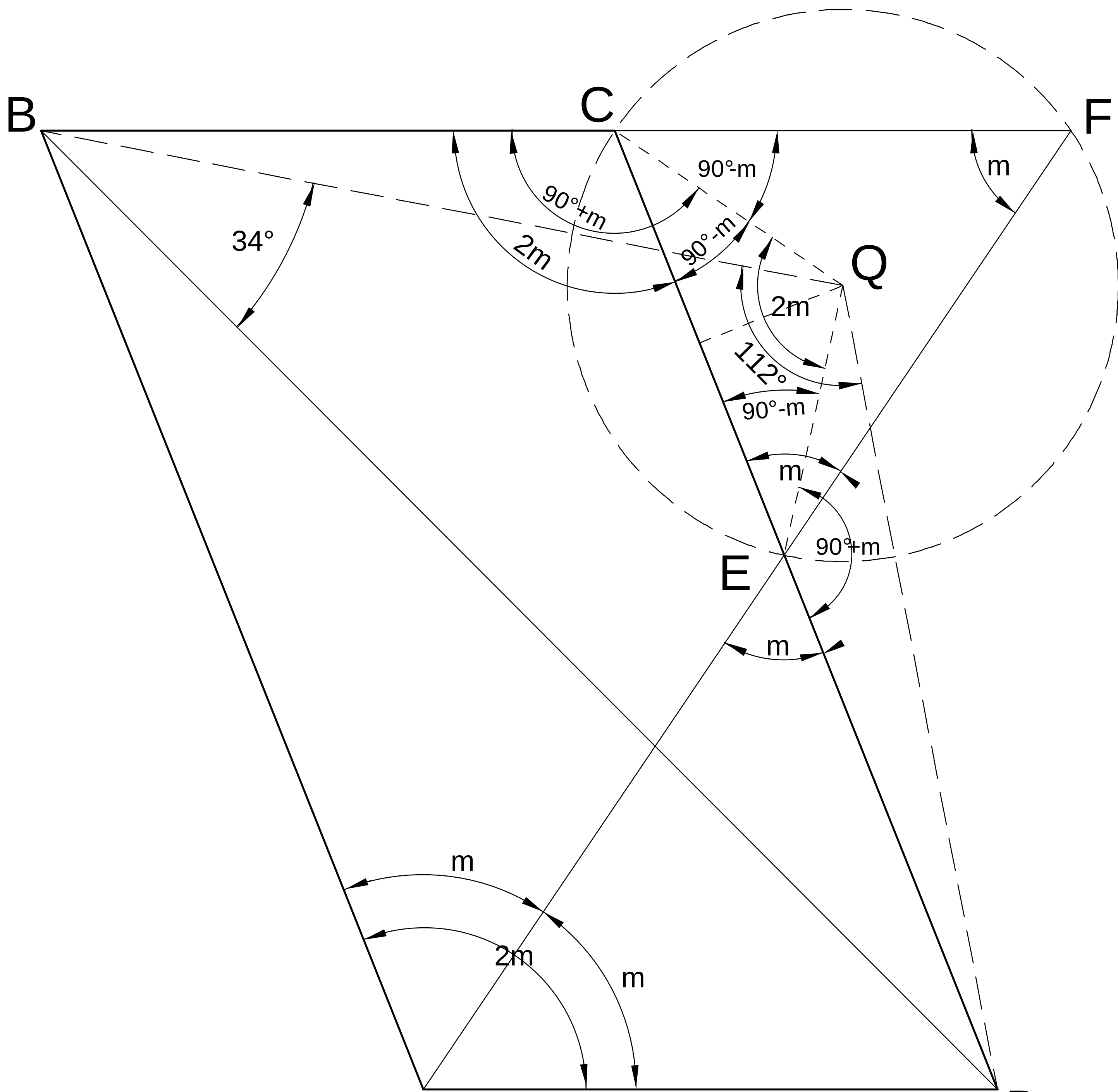

B
C
F
Q
E
A
D
34°
90°+m
90°-m
90°-m
2m
m
2m
112°
90°-m
m
90°+m
m
m
2m
m

Let CQE = 2m, then ECQ = CEQ = 90° – m
CFE = m, so FCQ = 90° – m and BCE = 180° – (90° – m) – (90° – m) = 2m
Since BCD = BAD = 2m, BAE = EAD = m and triangle ABF is isosceles.
Triangle CEF, similar to BAF, is also isosceles and CEF = AED = m, therefore triangle AED is isosceles.
Since BC = AD and AD = DE, BC = ED, and CQ = QE
Angle BCQ = DEQ = 180° – (90° – m) = 90° + m, making triangle BCQ congruent with triangle DEQ so BQ = DQ and triangle BQD is also isosceles.

$$AngleQBD = angleQDB = \frac{180^\circ - 112^\circ}{2} = 34^\circ$$