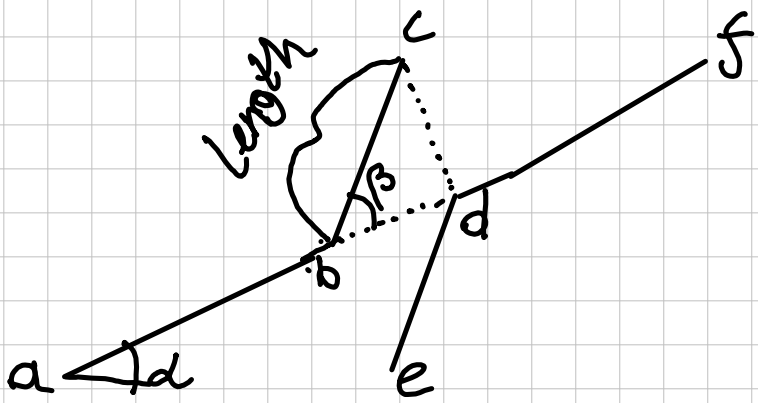

$\beta = -60°$

$\overrightarrow{bc} = b + \cos(\beta+\alpha) \cdot \text{length}$ → $\frac{1}{2}|ab|$

↳ sin for y-coord.

$|cd| = \sin(-60°) \cdot \text{length}$

$|bc| = \text{length}$

$|bd|^2 + |cd|^2 = |bc|^2$

$|bd| = \sqrt{|bc|^2 - |cd|^2}$

$d_x = b_x + \cos(\alpha) \cdot |bd|$

$d_y = d_y + \sin(\alpha) \cdot |bd|$

$e_x = d_x + \cos(\alpha) \cdot |bd|$

$e_y = d_y + \sin(\alpha) \cdot |bd|$