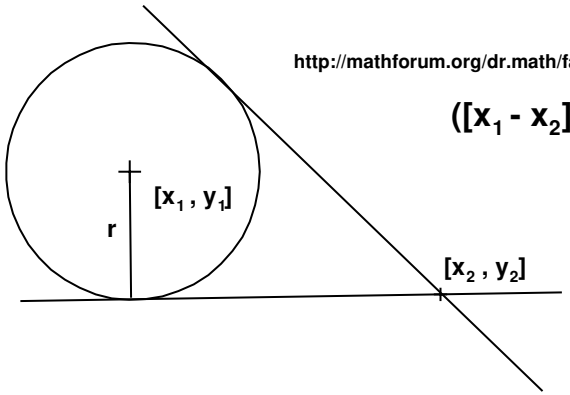


http://mathforum.org/dr.math/faq/formulas/faq.ag2.html

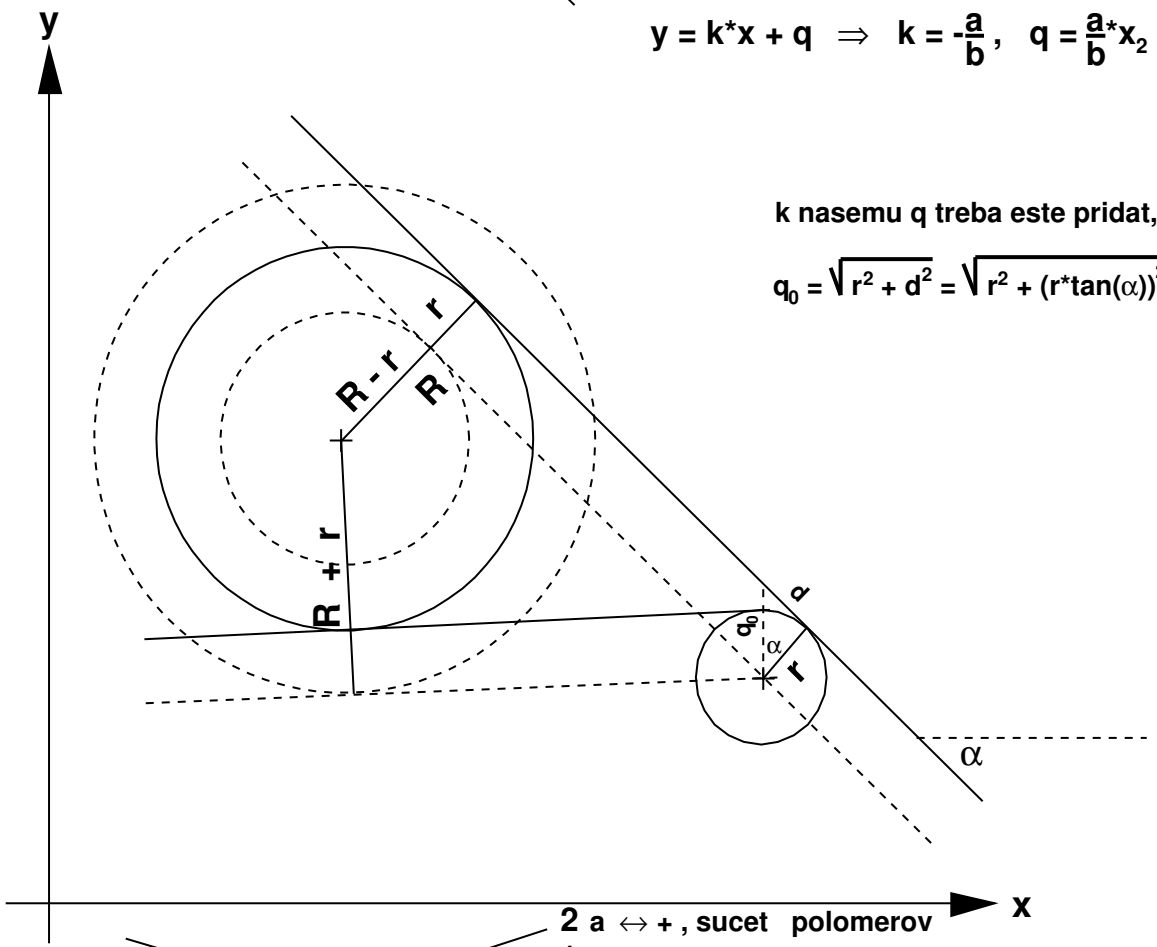
$$([x_1 - x_2]*[y_1 - y_2] \pm r*\mathrm{sqrt}[(x_1 - x_2)^2 + (y_1 - y_2)^2 - r^2]) * (X - x_2) + (r^2 - [x_1 - x_2]^2) * (Y - y_2) = 0$$

$$a * (X - x_2) + b * (Y - y_2) = 0$$

$$a*x + b*y + (-a*x_2 - b*y_2) = 0$$

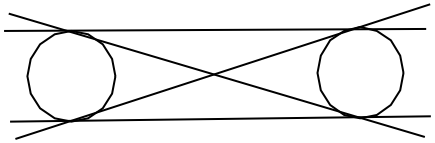
$$A*x + B*y + C = 0 \Rightarrow A = a,\ B = b,\ C = -a*x_2 - b*y_2$$

$$y = k*x + q \Rightarrow k = -\frac{a}{b},\ q = \frac{a}{b}*x_2 + y_2$$



k nasemu q treba este pridat, odobrat q_0

$$q_0 = \sqrt{r^2 + d^2} = \sqrt{r^2 + (r*\tan(\alpha))^2} = r*\sqrt{1 + k^2}$$



2 a ↔ + , sucet polomerov

1 a ↔ - , rozdiel polomerov

0 a ↔ + , rozdiel polomerov

3 a ↔ - , sucet polomerov