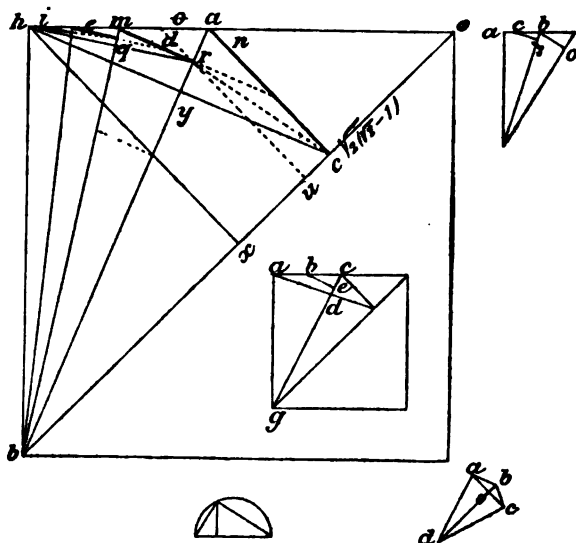


[18, II.]

$$\begin{aligned} \angle d &= \angle hba & \triangle hbo &= \frac{1}{2}q. \\ \angle e &= \angle hbm & \text{---:} \triangle aco &= \frac{1}{2}q : \frac{1}{2}(\sqrt{2}-1)^2 \\ \angle n &= \angle hbo \end{aligned}$$



$$\begin{aligned} hm (= mr) : ma &= hy : ha \\ hm + ma : ma &= hy : hm + ma \\ ma \times hy &= ha^2 \\ gc : ac &= ac : dc \end{aligned}$$

$$\begin{aligned} co &= (\sqrt{2})-1 \\ co &= ac \\ ar : rm &= ah : 1 \\ ar &= rm \times ah \\ \frac{ar}{rm} &= ah \end{aligned}$$

$$\begin{aligned} bo &= \sqrt{2} hb^2 \\ bd \times oc^2 &= od \times bc^2 \end{aligned}$$

$$\begin{aligned} bo : oc &= oc : od \\ bo : bc &= bc : bd \\ \hline bc : bo &= bd : bc \end{aligned}$$

$$bc : oc = bd \times oc : bc \times od$$