In his book Sumner computes the local hour angle, LHA, and hence longitude using the formula

$$1 - \cos LHA = 2 \operatorname{hav}(LHA) = \left[\cos(L - \delta) - \sin h\right] \operatorname{sec} L \operatorname{sec} \delta$$

for given latitude, L, observed altitude, h, and declination, δ and calls it the "rising".

Worsley is using the equivalent form

$$hav(LHA) = cos \frac{S}{2} sin(\frac{S}{2} - h) sec L csc(p.d.)$$

where the polar distance p.d. = $90^{\circ} + \delta$ for southern latitudes and S = h + L + p.d.

What approach does Nicholl's guide give for computing the LHA?