$h_{i+1} = (H_i^t + H_{i+1}^t) / 2 \sin \varphi_{i+1}$

$h_i = (H_{i-1}^t + H_i^t) / 2 \sin \varphi_i$

S_i^t

$S_{i+1} = l_{i+1} H_{i+1}$

$S_i = l_i H_i$

$S_{i-1} = l_{i-1} H_{i-1}$

φ_i

φ_{i+1}

H_{i-1}

H_i

H_{i+1}