

$$\theta_{PI} = \frac{\sum_{i=1}^k \theta_{j+i} d_{j+i} w_i}{\sum_{i=1}^k d_{j+i} w_i}$$

and

$$d_{PI} = \frac{\sum_{i=1}^k d_{j+i} w_i}{\sum_{i=1}^k w_i}$$