

$$A_i = s \left(\frac{S}{W} \right) + d \left(\frac{D}{D + P + C} \right) \left(1 - \frac{S}{W} \right)$$

$$A_e = \left[1 - \frac{S}{W} \right] \left[p \left(\frac{P}{D + P + C} \right) + c \left(\frac{C}{D + P + C} \right) \right]$$