With radiation, ap is defined as (lines 284,296):

$$ap = \left(T_c + \frac{S_h}{A_s h}\right) + \frac{s}{h}$$

bp is defined as (lines 285,297,299):

$$bp = \frac{\left(6\left(\frac{S_h}{A_s} + h(T_c - T)\right)\right) + 6s}{\rho d C_p (ap - T)}$$

This can be written alternatively:

$$bp = \frac{\left(6\left(\frac{S_h}{A_s} + h(T_c - T)\right)\right) + 6s}{\rho d C_p (ap - T)} = \frac{6}{\rho d C_p} \frac{\frac{S_h}{A_s} + h(T_c - T) + s}{\left(\left(T_c + \frac{S_h}{A_s h}\right) + \frac{s}{h} - T\right)} = \frac{6}{\rho d C_p} \frac{h\left(\frac{S_h}{A_s h} + (T_c - T) + \frac{s}{h}\right)}{\left(\frac{S_h}{A_s h} + (T_c - T) + \frac{s}{h}\right)}$$

$$= \frac{6h}{\rho d C_p}$$