$$T = hv \frac{8(1 - \cos \varphi)}{1 + \delta(1 - \cos \varphi)} \qquad \varphi = \pi$$

$$= hv \frac{2\delta}{1 + 2\delta} \qquad \delta = \frac{hv}{mec}$$

$$= mec \frac{2\delta^2}{1 + 2\delta} \qquad \delta = \frac{c}{mec}$$

$$= mec \frac{2\delta^2}{1 + 2\delta} \qquad \delta = \frac{c}{mec}$$

$$= \frac{c}{h} \frac{1 + 2\delta}{1 + 2\delta} \qquad \delta = \frac{c}{mec}$$

$$= \frac{c}{h} \frac{1 + 2\delta}{1 + 2\delta} \qquad \delta = \frac{c}{mec}$$

$$= \frac{c}{h} \frac{hv}{mc} = \frac{h}{h} \left(\frac{mc}{hv}\right)^2 \frac{mc + hv}{mc}$$

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$$= \frac{c}{hv} \frac{mc + hv}{mc}$$