Maths of the Day

$$\prod_{n=0}^{\infty}\left(1+\frac{1}{2^{2^n}}\right)=\frac{2}{1}$$

$$\prod_{n=1}^{\infty}\left(1+\frac{1}{2^{2^n}}\right)=\frac{2^{2^n}}{3}$$

$$\prod_{n}\left(1+\frac{1}{2^{2^n}}\right)=\frac{2^{2^n}}{2^{2^n}-1}$$