

17 Pour tout entier naturel n ,

$$\begin{aligned}g(n-1) &= \frac{3(n-1)+2}{2(n-1)+5} \\&= \frac{3n-3+2}{2n-2+5} \\&= \frac{3n-1}{2n+3}\end{aligned}$$

$$\begin{aligned}g(n+1) &= \frac{3(n+1)+2}{2(n+1)+5} \\&= \frac{3n+3+2}{2n+2+5} \\&= \frac{3n+5}{2n+7}\end{aligned}$$