

$$\begin{aligned}
 93) \quad \frac{OA_1}{OA_0} &= \frac{\frac{\sqrt{2}}{2}}{1} = \frac{\sqrt{2}}{2} & \frac{OA_2}{OA_1} &= \frac{\frac{1}{2}}{\frac{\sqrt{2}}{2}} = \frac{\sqrt{2}}{2} & \frac{OA_3}{OA_2} &= \frac{\frac{\sqrt{2}}{4}}{\frac{1}{2}} = \frac{\sqrt{2}}{2}
 \end{aligned}$$

La nature de la suite ~~est~~  $(U_n)_{n \geq 0}$  est géométrique de raison  $q = \frac{\sqrt{2}}{2}$ .

$$\text{Donc } OA_{n+1} = OA_n \times \frac{\sqrt{2}}{2}.$$