

$$A = \begin{pmatrix} \cos \theta & \sin \theta \\ \sin \theta & -\cos \theta \end{pmatrix}, A^2 = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}, A^3 = \begin{pmatrix} \cos \theta & \sin \theta \\ \sin \theta & -\cos \theta \end{pmatrix}, A^4 = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

$$\text{所求} = 25(A + A^2 + A^3 + A^4) = 25 \begin{pmatrix} 2 + 2\cos \theta & 2\sin \theta \\ 2\sin \theta & 2 - 2\cos \theta \end{pmatrix}$$