1. Find a recursive formula for the number $t(n)$ of permutations of $[n]$ whose cube is the identity permutation.
2. Find an explicit formula for the sequence \( \{a_n\}_{n \geq 0} \), where \( a_{n+2} = a_{n+1} + a_n \), \( a_0 = 1 \) and \( a_1 = 3 \).