2.a

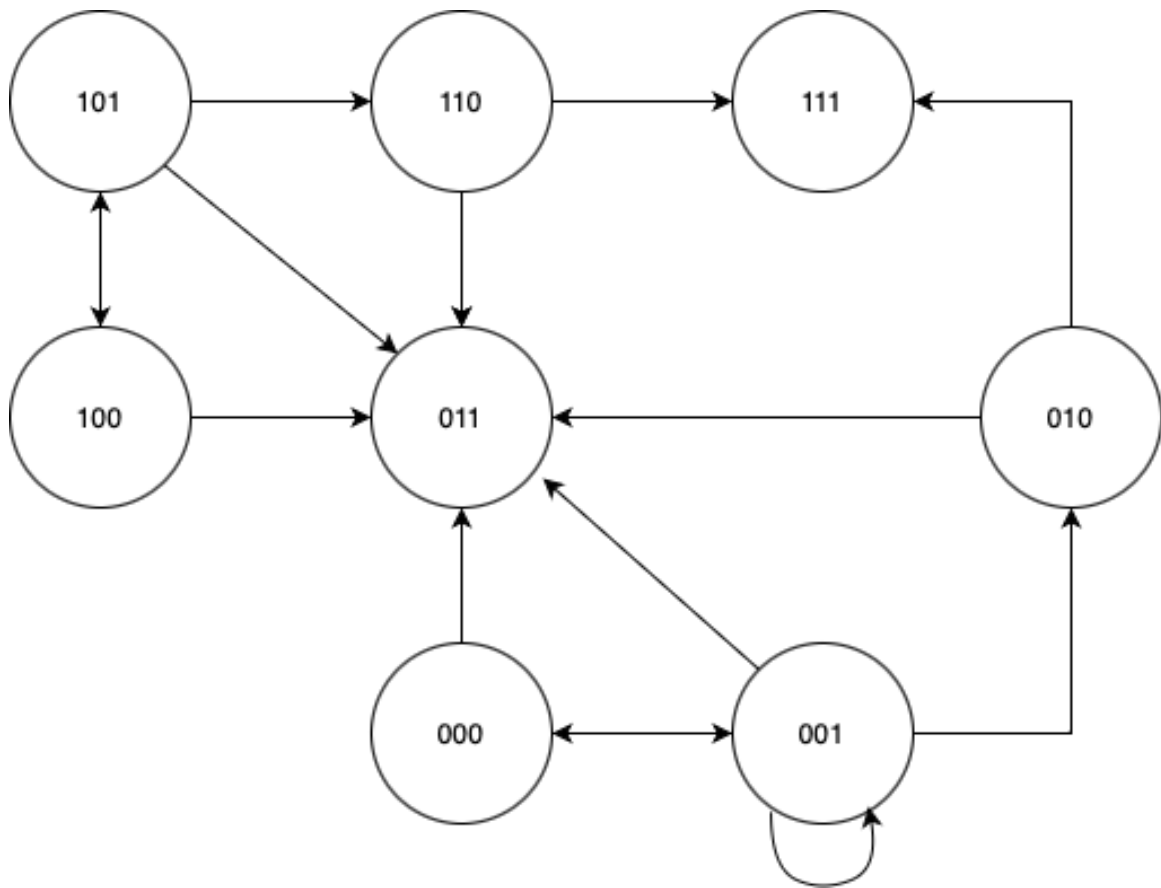**2.c**
From the above graph of G, we can easily know the reachable set for each set C. For $C_1(s) = s_2'$, the reachable set of its vertices is (000, 001, 010, 011, 111), which could be represented as $s_2' + s_1 s_0$. For $C_2(s) = s_0(s_2 + s_1)$, the reachable set of its vertices is (011, 100, 101, 110, 111), which could be represented as $s_2 + s_1 s_0$.