Figure 1: A 2-cube induced in $\mathcal{C}_3(P_3)$ by generator $(v_0, v_1, c_{00}, c_{01}, c_{10}, c_{11})$ with colors $k_{0,0} = 1, k_{0,1} = 2, k_{1,0} = 1, k_{1,1} = 2$, using the notation of Lemma ??.