

FIGURE 1. The vertices of the dual 24-cell  $\mathcal{C}^*$  coloured in Blue, Red, and Yellow.

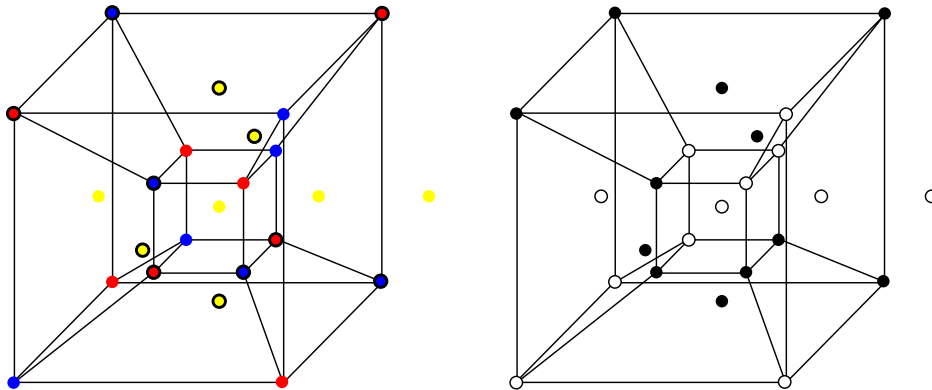


FIGURE 2. The state  $s$  of the 24-cell. The black and white vertices represent the status I and O respectively (right). In the left figure we show both the colouring and the state.

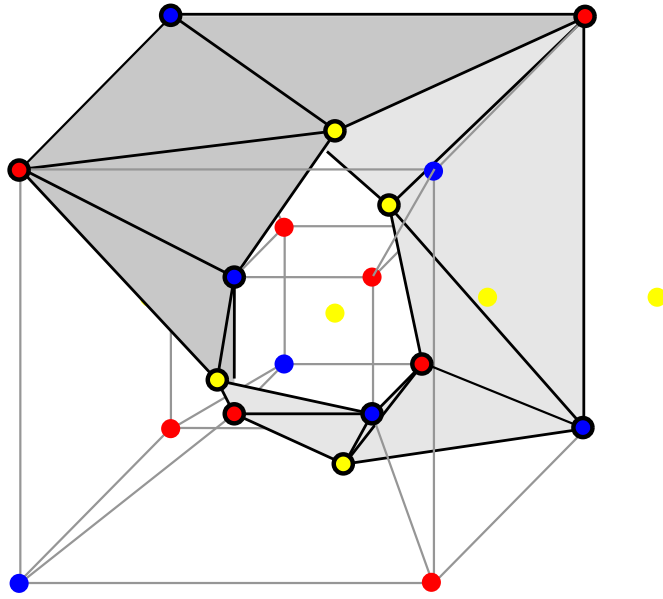


FIGURE 3. The descending link is a band decomposed into 12 triangles. The ascending link is isomorphic to it, and altogether they form two bands that collapse onto a Hopf link in  $S^3$ .