Figure 1: A proper mn-coloring of $(S_{1,m}S_{1,n})_\delta$. The vertices of the same degree in $S_{1,m}S_{1,n}$ are indicated by the same color and are pairwise adjacent in $(S_{1,m}S_{1,n})_\delta$. Each double line denotes the edges connecting the copies of the same vertex in $S_{1,n}$. Note that the blue and the green will have the same degree when $m = n$.