



Figure 1: a) Labeling of the corners and half-spaces with their outward normals. b) Pictorial description of the face-corner correspondence: At the faces we mark the Chern numbers $\text{Ch}_{\mathcal{F}_\lambda, v \times n_{\lambda+1}}$ of some class in $K_i(\mathcal{F})$ and at the corners the Chern numbers $(-1)^q \text{Ch}_{\mathcal{C}_\lambda, v}$ of its image under $\partial^{\mathcal{F}\mathcal{C}}$.