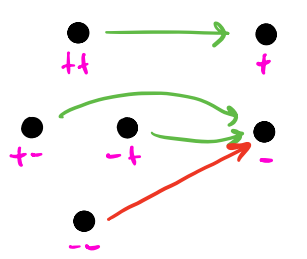


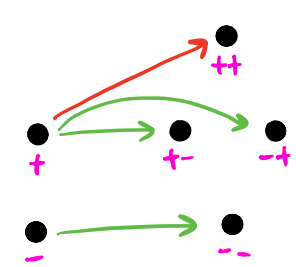
Bar-Natan
differentials
(over \mathbb{F}_2)

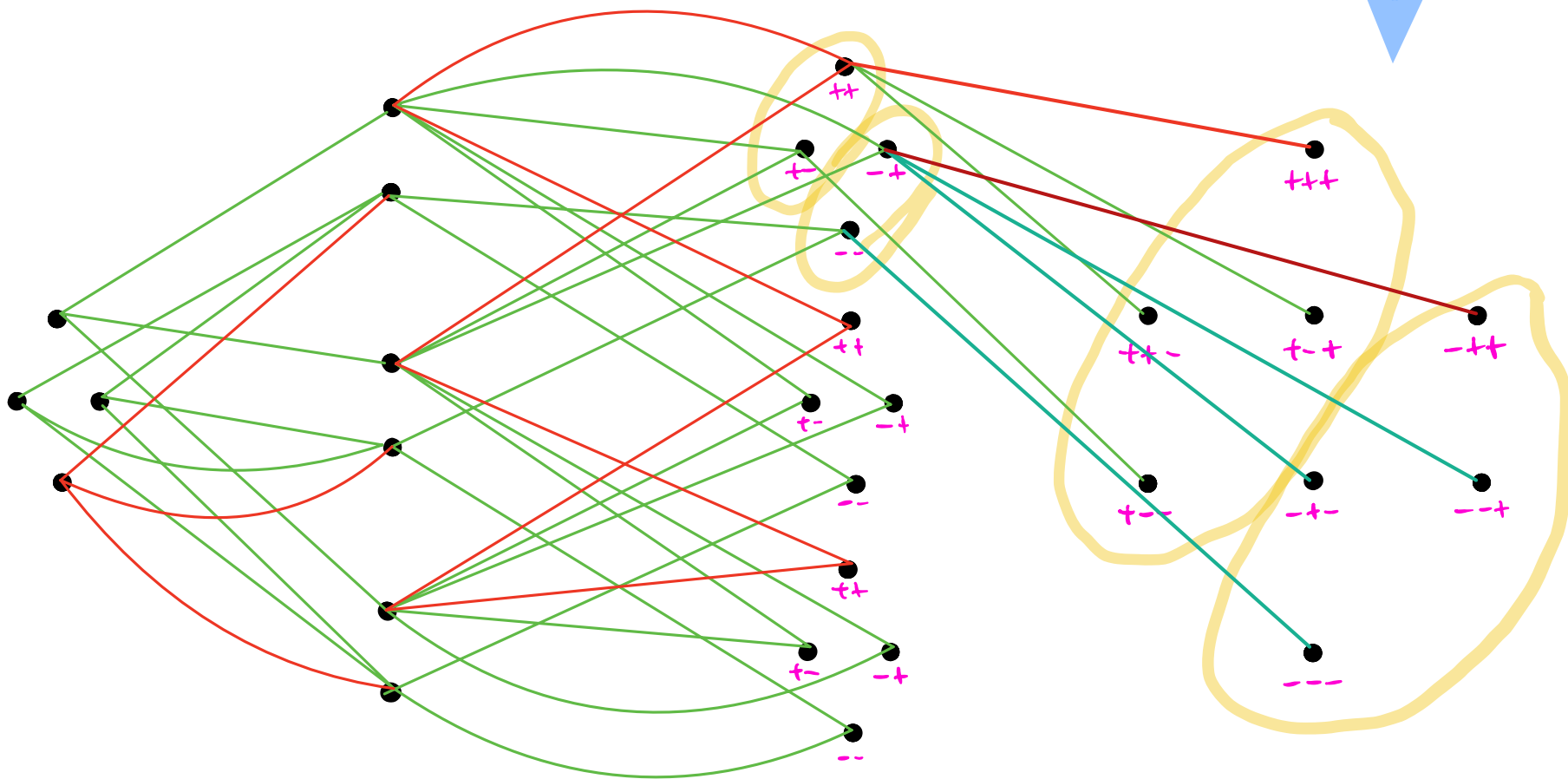
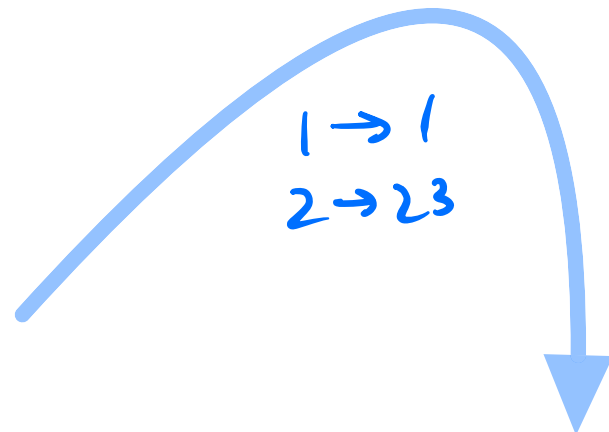
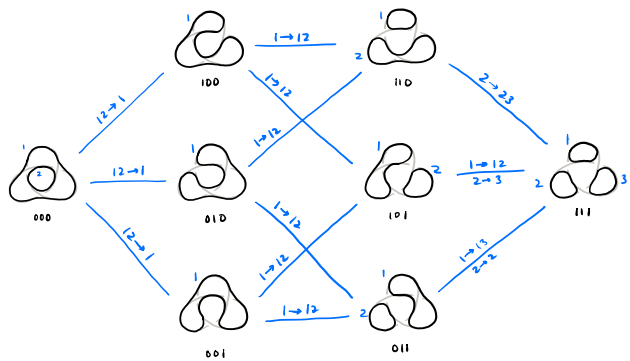
green: d_{KN}
(deg 0)
red: Φ_{BN}
(deg 2)

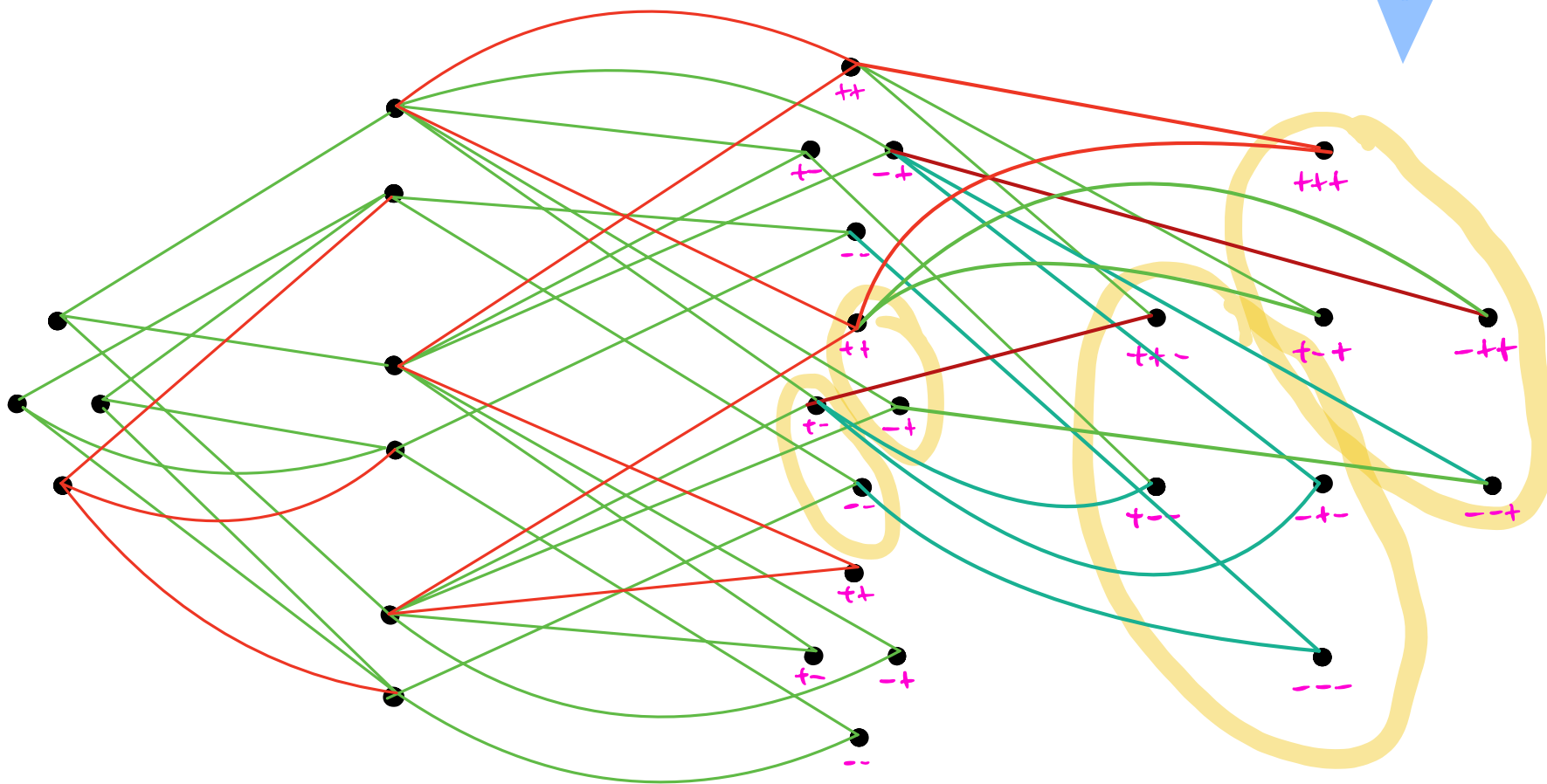
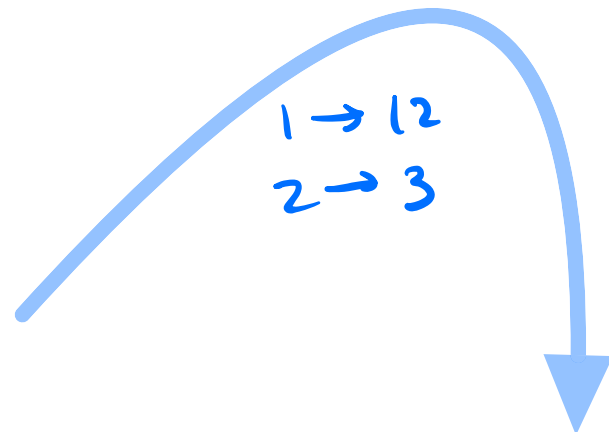
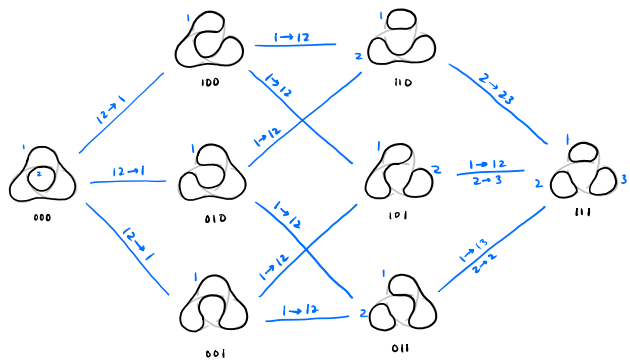
(M)

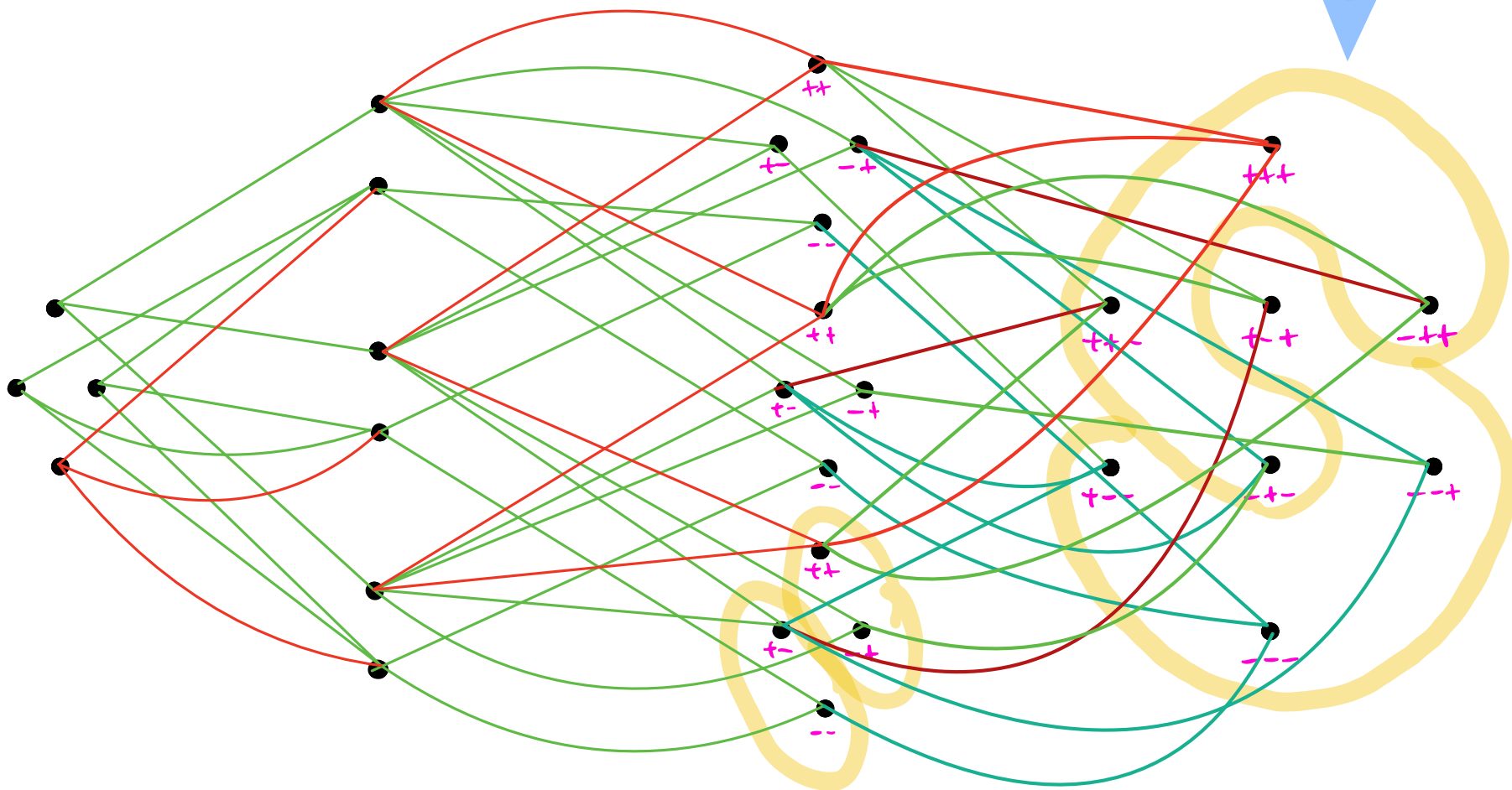
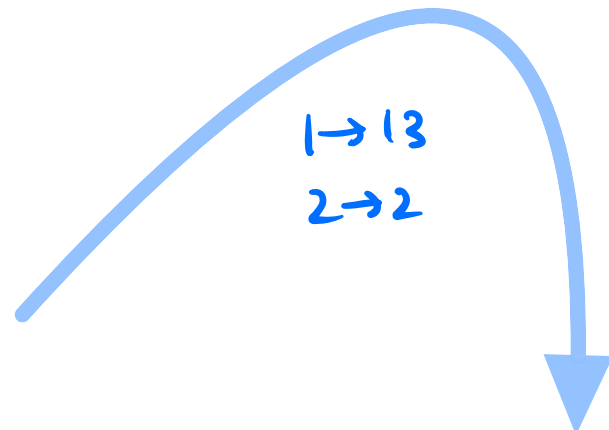
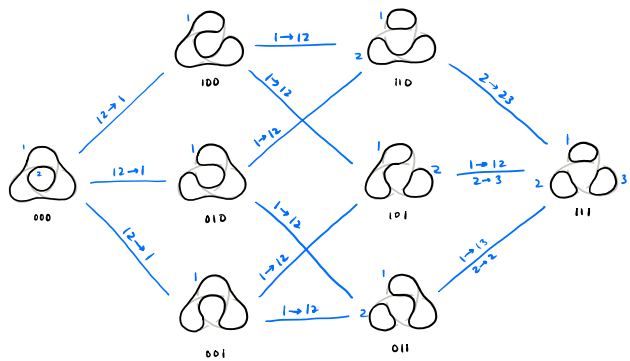


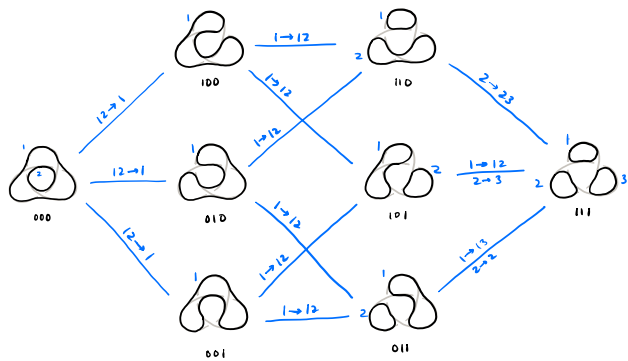
(Delta)



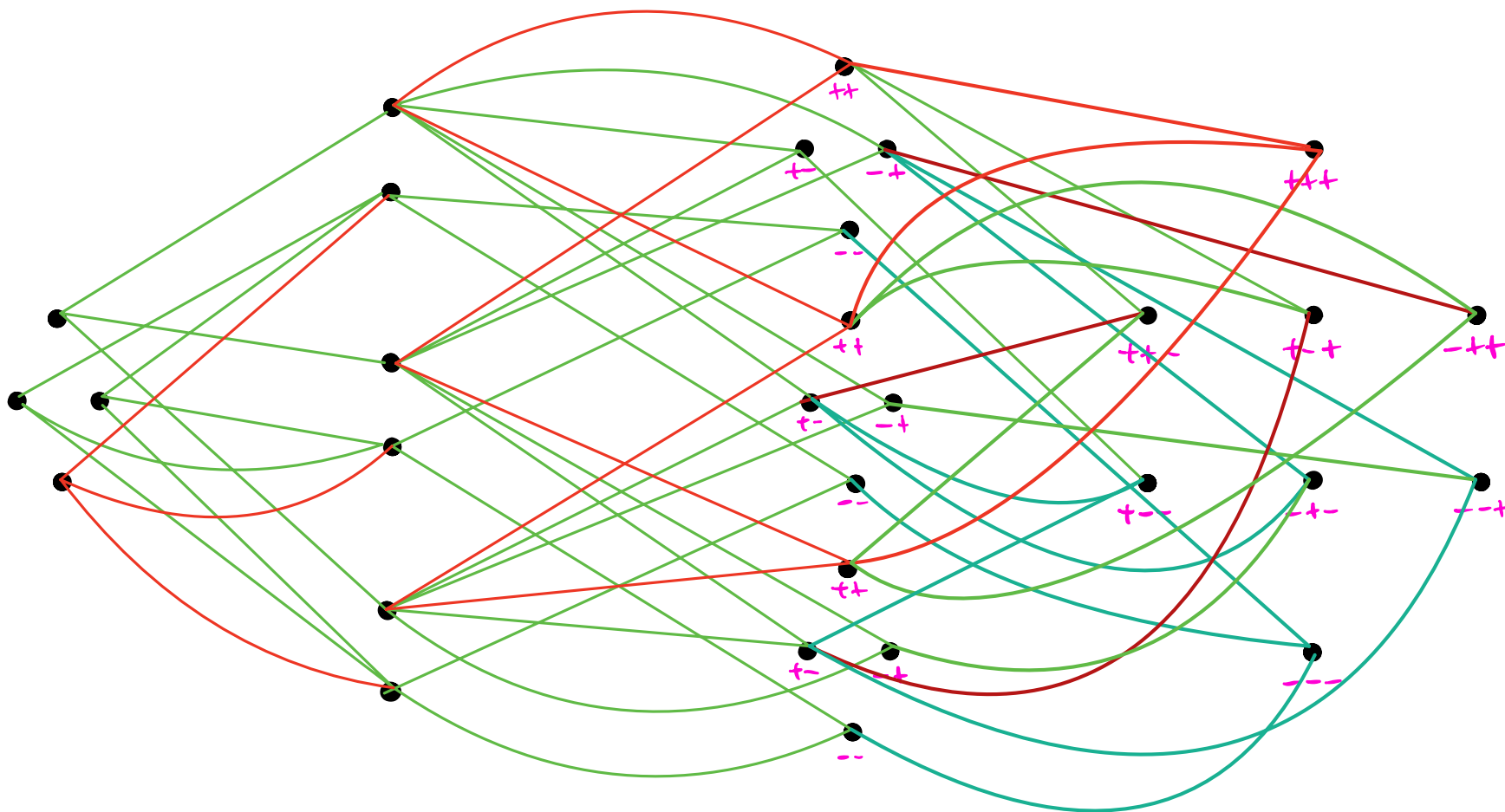


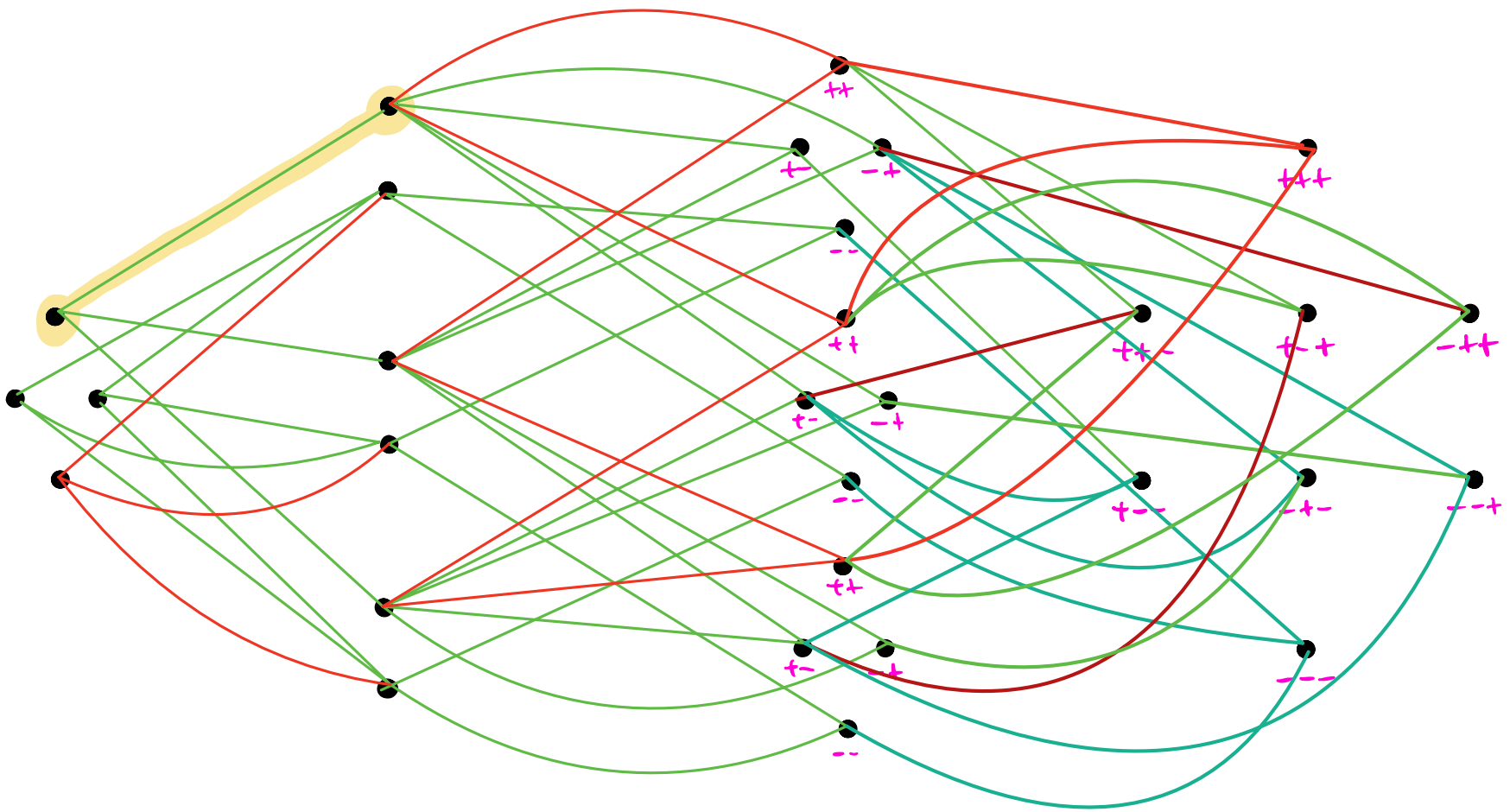


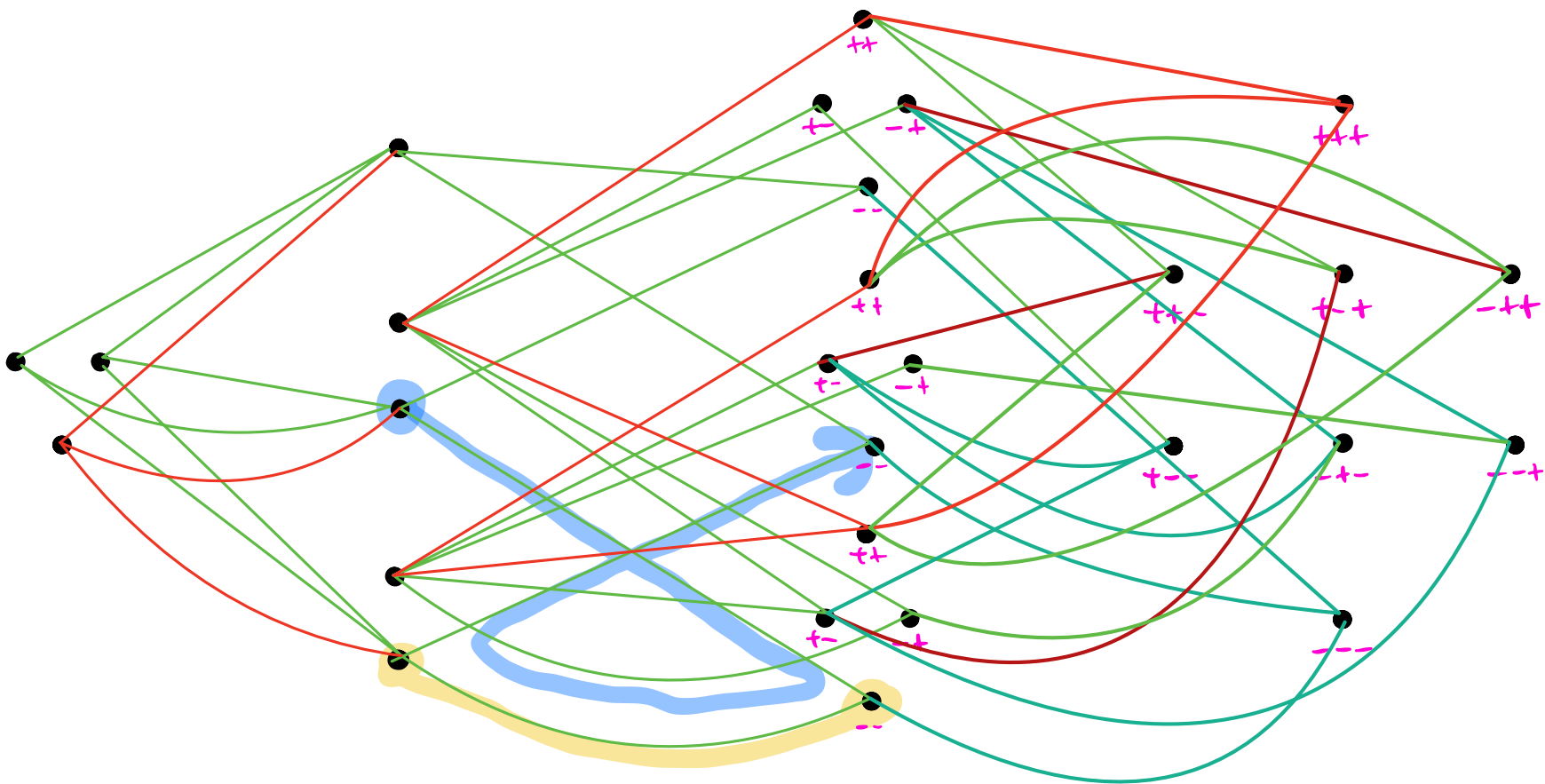


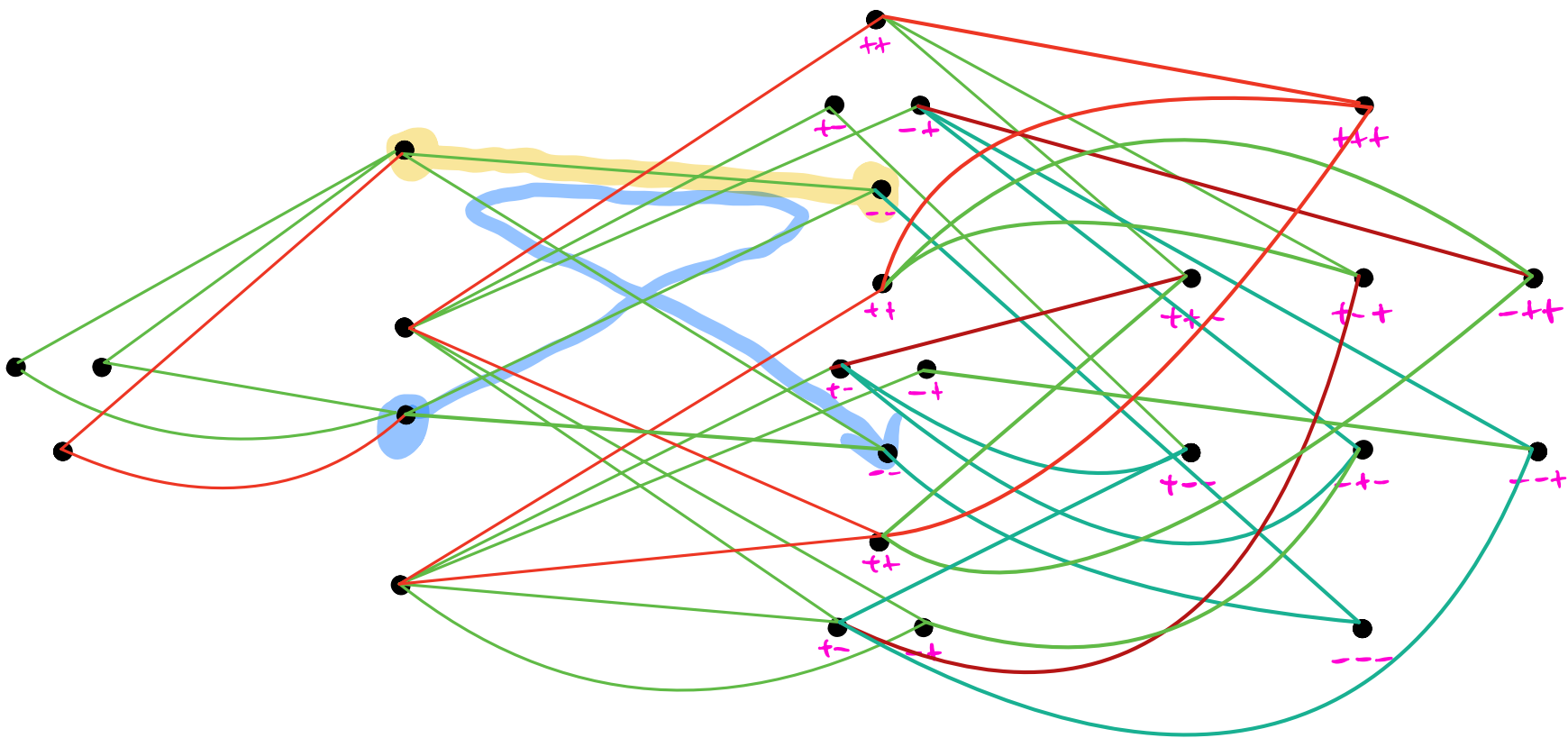


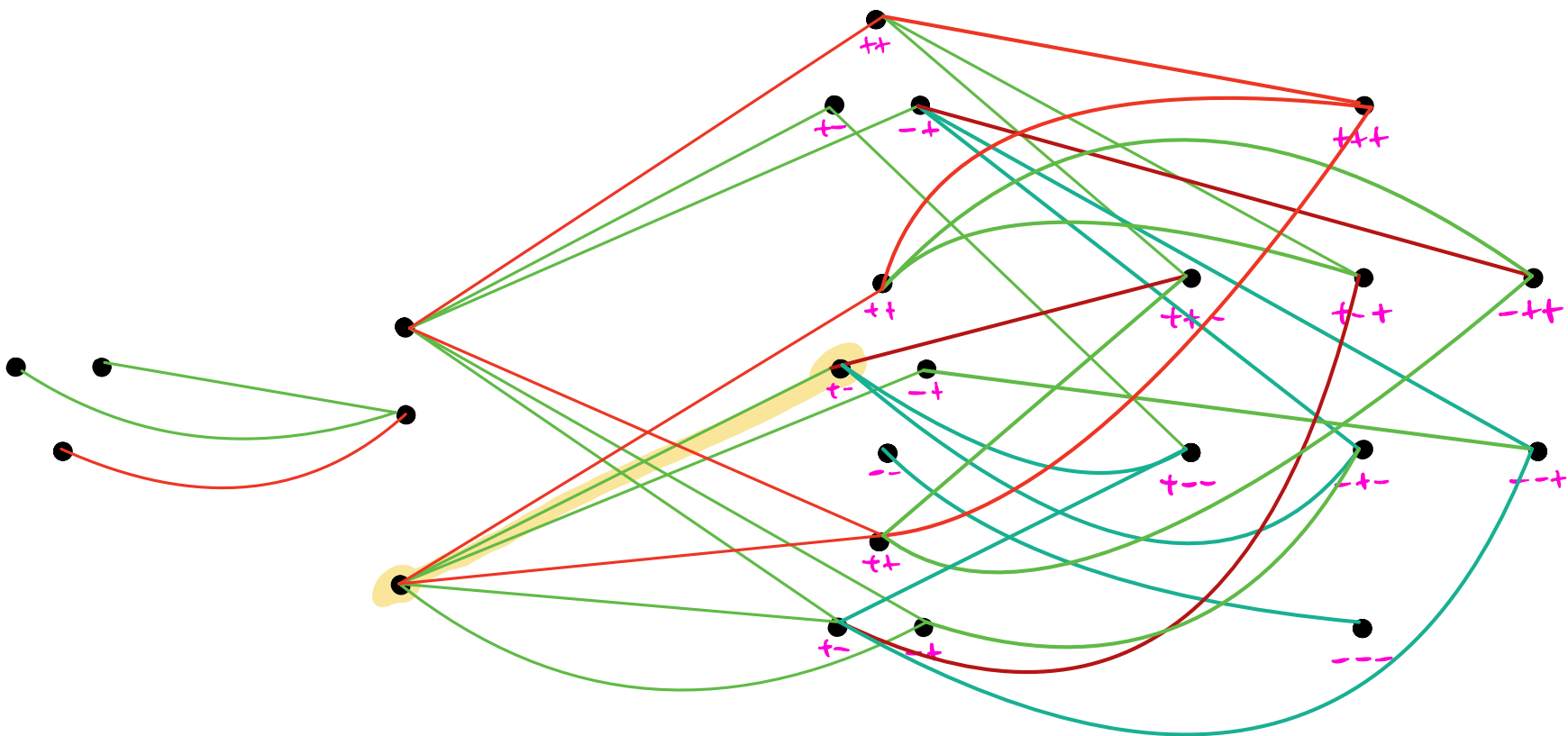
Here is the full Bar-Natan
homology complex.
Start cancelling degree 0 arrows.

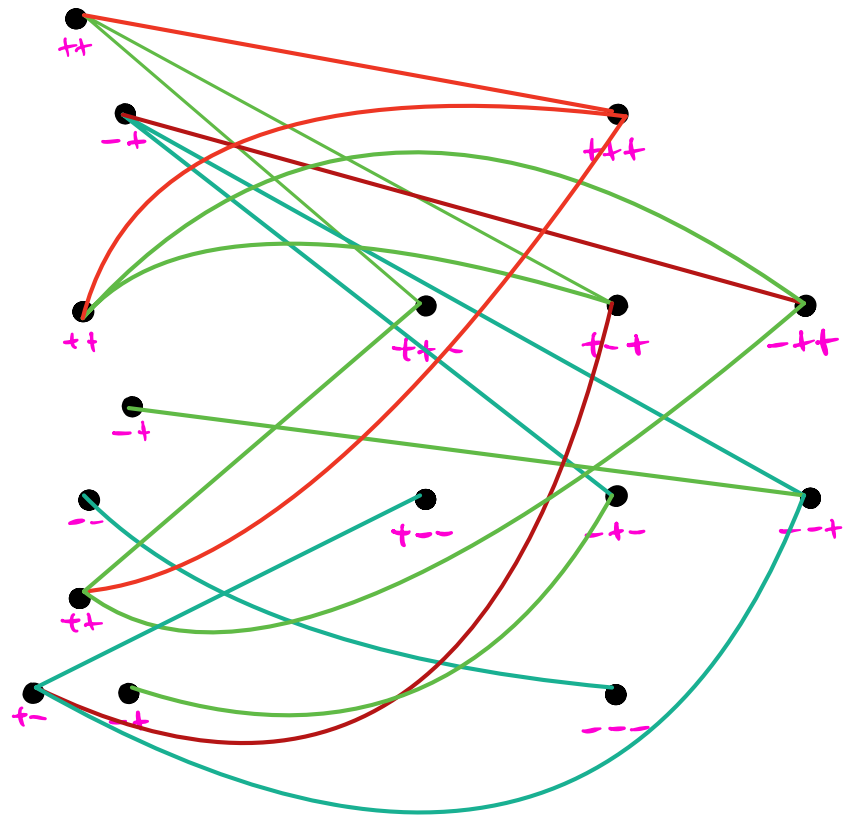
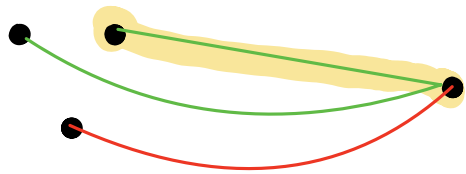


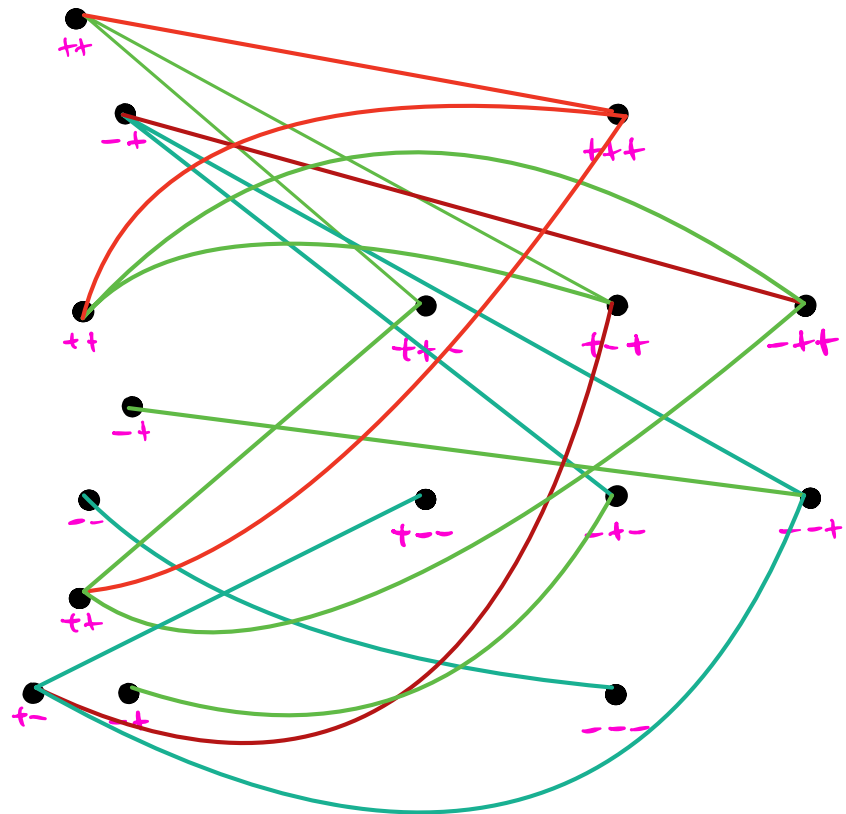
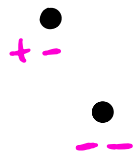


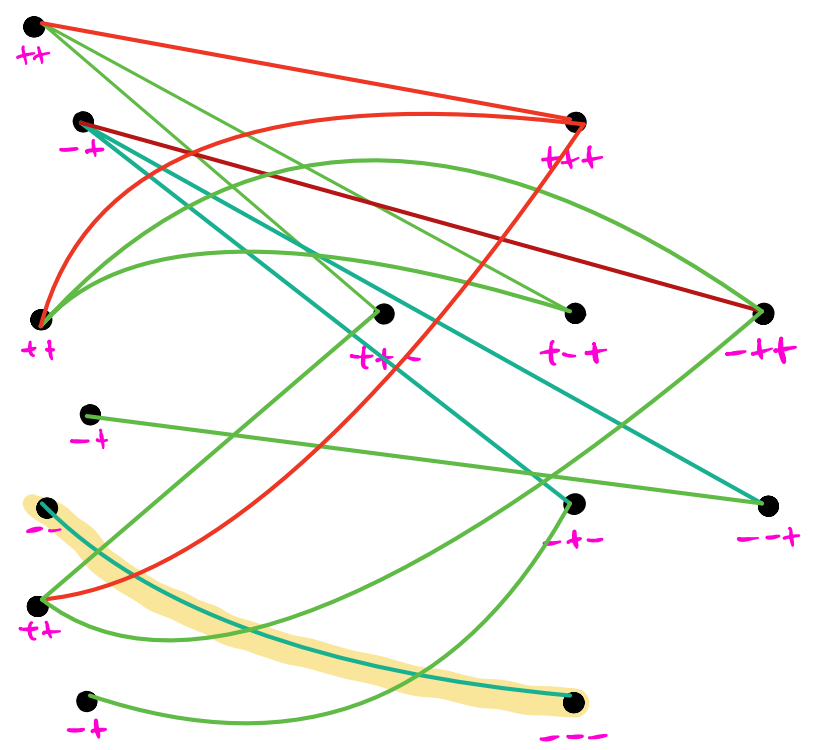
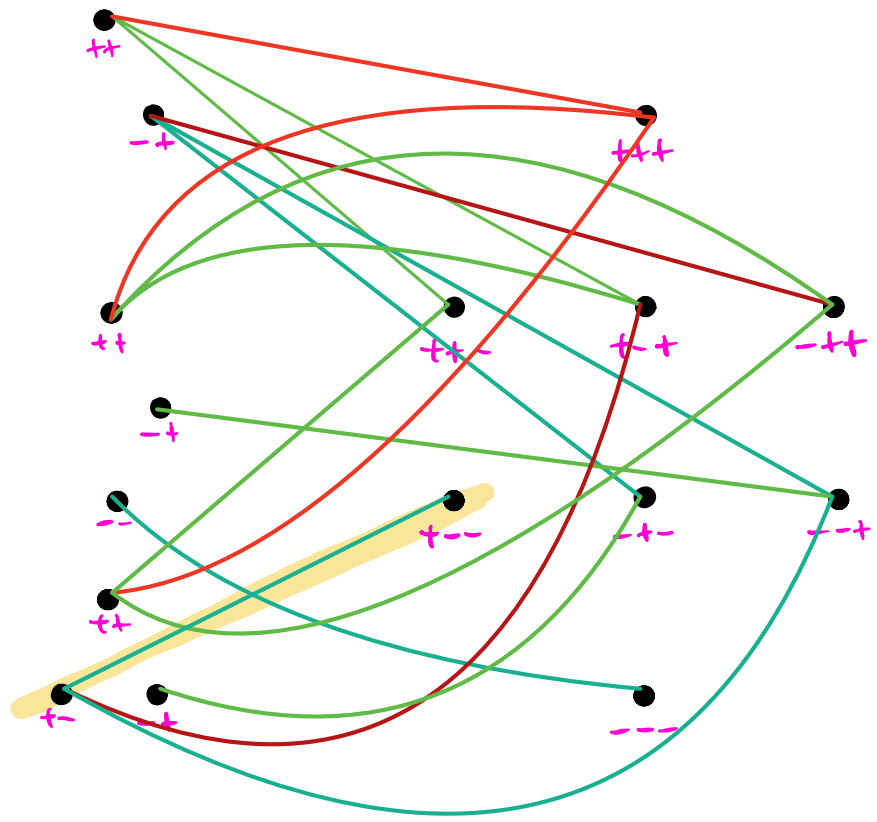


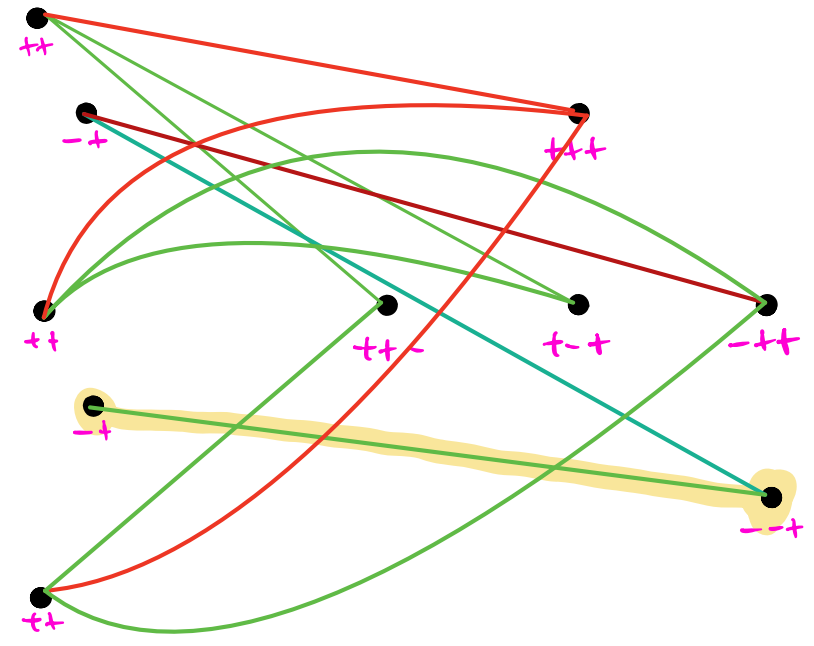
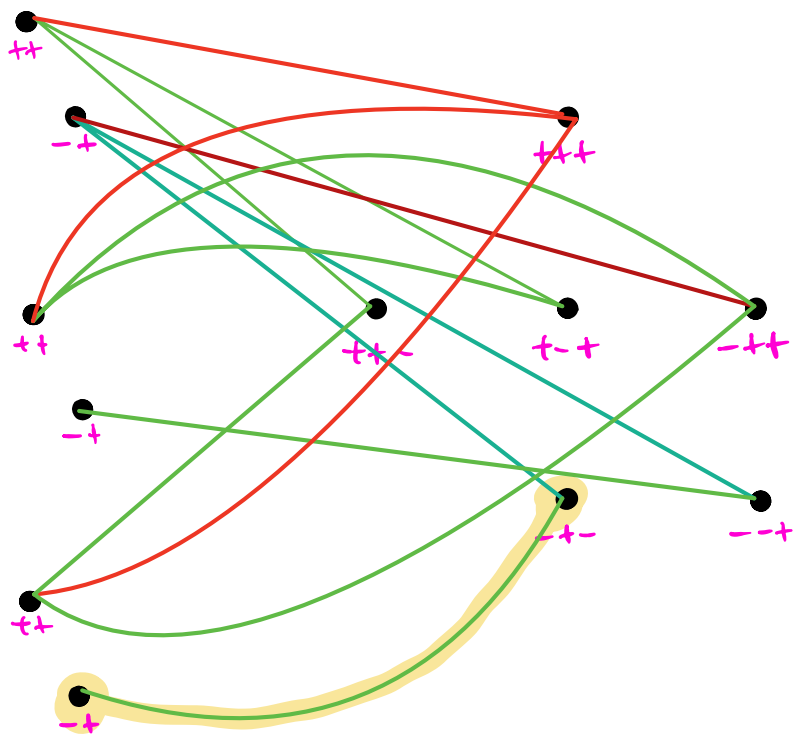


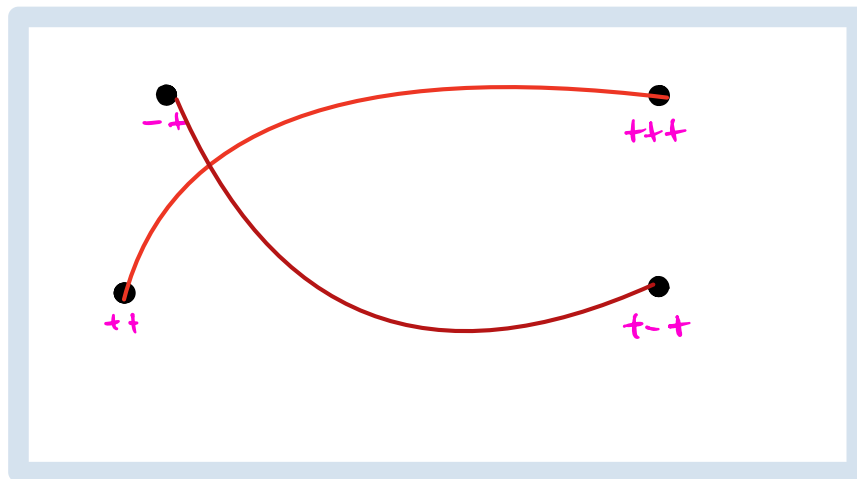
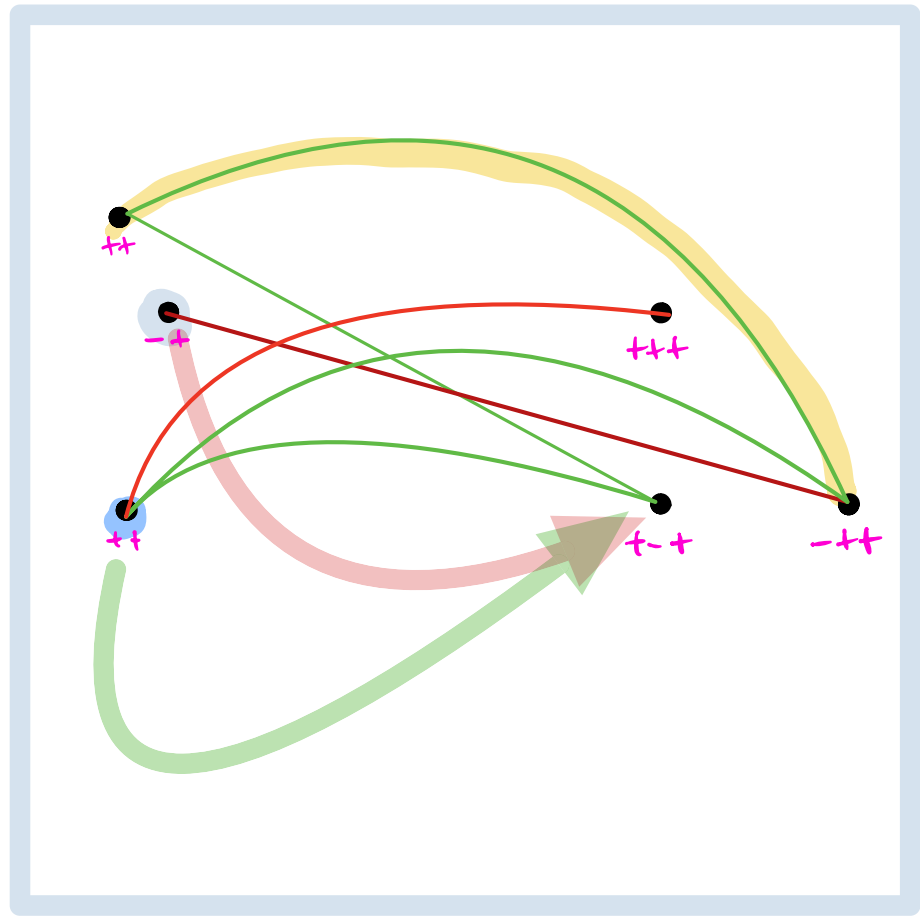
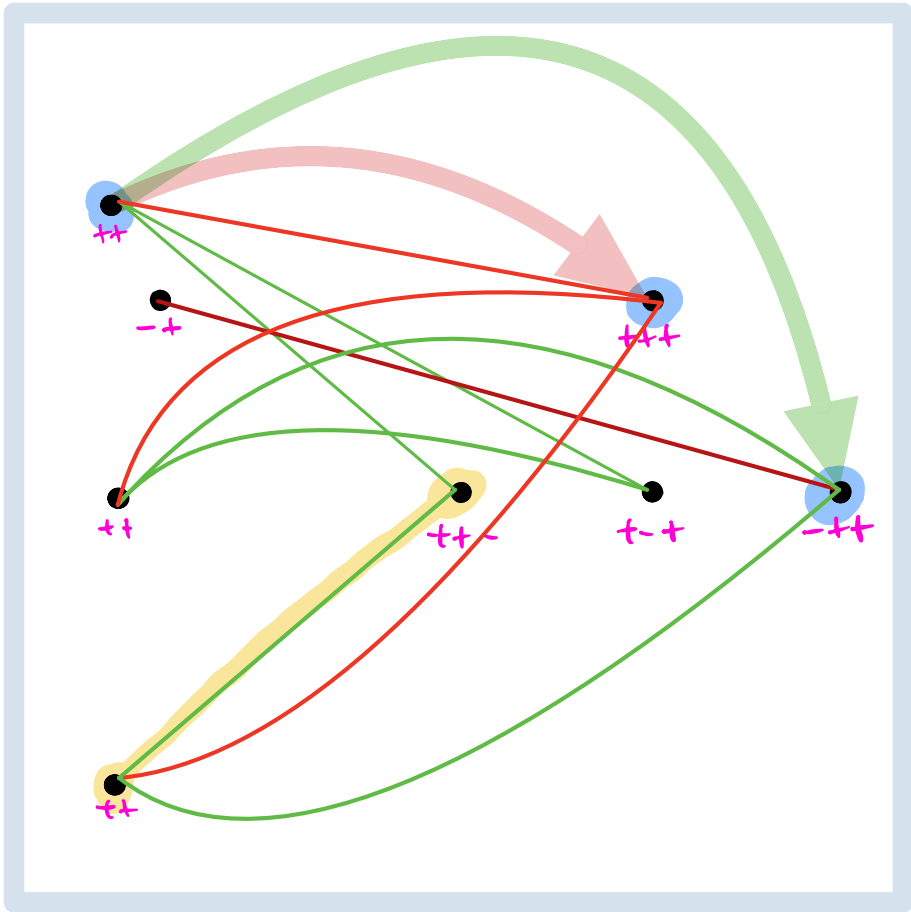




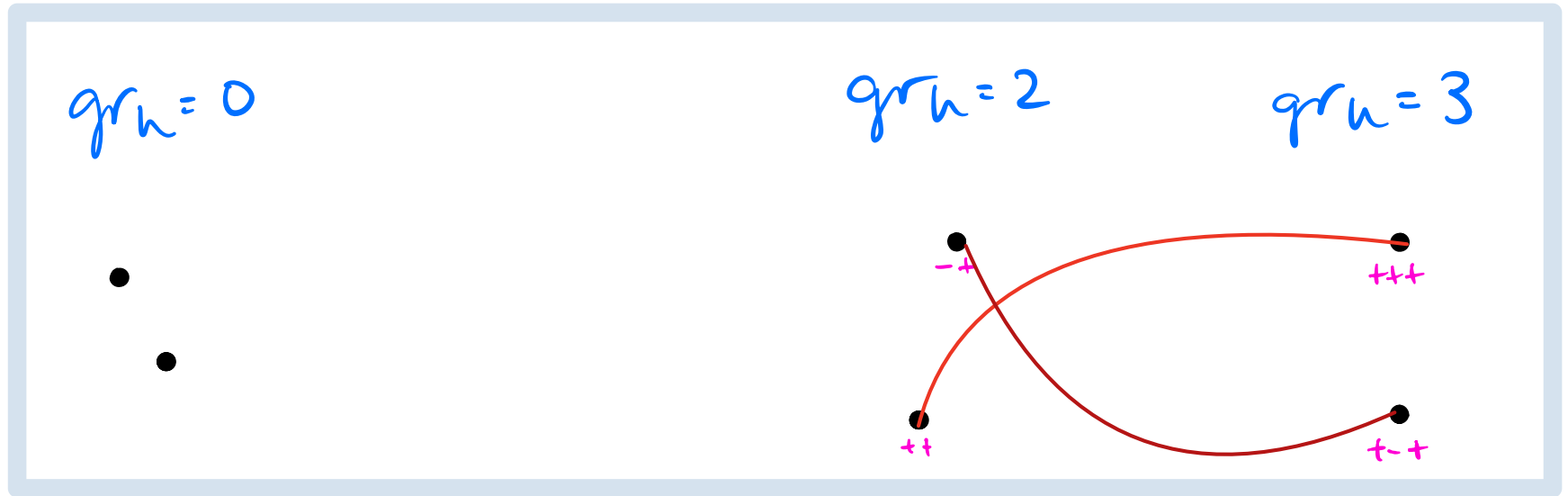








(E^2, d^2) : (Ignoring the red d^2 arrows, we have $\text{Kh}(\mathcal{B})$.)



E^∞ :

