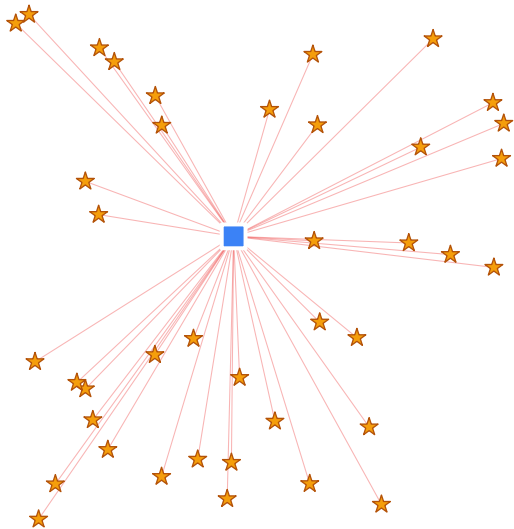
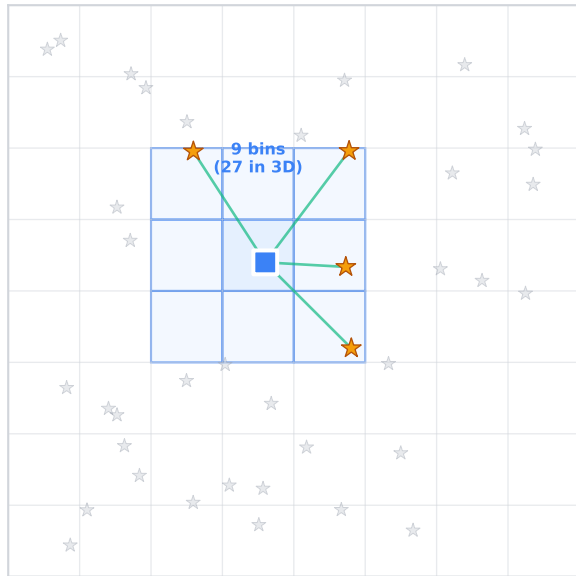


(a) Brute force



$$\mathcal{O}(N_{\text{cells}} \times N_{\text{SN}})$$

(b) Spatial hash binning



$$\mathcal{O}(N_{\text{cells}} \times 27 \bar{n}_{\text{SN/bin}})$$