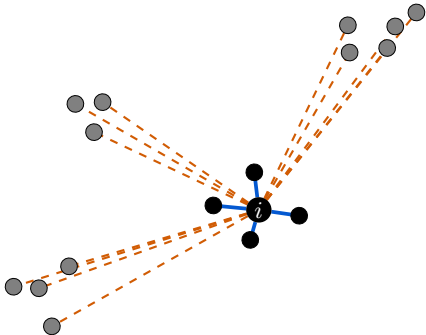# 3. Calculate all inter-cluster distances

$$s(i) = \frac{b(i) - a(i)}{\max\{a(i), b(i)\}}$$