

Piroting Lemma: Let P, R be disjoint point sets as above. For any PEP: (1) IF pe minD(P-p, R) then minD(P, R) = minD(Pp, R) (2) IF p& minD(P-p, R) then minD(P, R) = minD(P-p, R+p)

Runs in O((1+2)! n) expected time (via Seidel analysis)