

PROBLEM 1 *How long does brute force take?*

PROBLEM 2 *What is the roadblock in the proposed divide and conquer algorithm?*

PROBLEM 3 *What is the maximum number of points we'd have to check in the 1D case? Draw a picture to prove your point.*

PROBLEM 4 *Given a point in the band, what is the maximum number of other points we'd need to compare it against? Try to come up with as small of a number as possible.*

PROBLEM 5 *From today's class, what are some takeaways about the algorithm design process that you'd like to use yourself?*