

Assignment 8: GridBSCAN and SUBCLU

Due: Thursday, 23.6.2022

Problem 8-1 GridBSCAN Clustering**6**

Prove that the results found by GridBSCAN are equivalent to DBSCAN results.

You may assume Euclidean distance.

Problem 8-2 SUBCLU Clustering Task**6**

Consider this four-dimensional dataset:

	d1	d2	d3	d4
A	15	12	16	9
B	14	13	18	3
C	12	14	14	15
D	16	13	19	19
E	5	6	9	4
F	4	11	10	18
G	6	17	8	13
H	6	9	14	16
I	14	19	13	15
J	19	3	15	14

Cluster the dataset using SUBCLU. Use $\text{minPts} = 3$, $\varepsilon = 4$, and Euclidean distance.