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CS-521
Assignment 3
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REPORT

There are two files PAM2 and PAM4 for k=2 and k=4 respectively.

1) Report the indices of rows that are selected after the BUILD phase, when K = 4 and when K = 2.

K	Indices of rows that are selected
2	[4856, 12423]
4	[4856, 12423, 11580, 2597]

2) Report the number of iterations and the cost () after each iteration of the SWAP phase,
When k=2,

Iteration Count	Cost	S
1	155748.67	[14243, 5740]
2	155728.65	[5740, 15995]
3	-	[5740, 15995]

When k=4

Iteration Count	Cost	S
1	57797.4	[4856, 12423, 11580, 2597]
2	57783.04	[11580, 2597, 7429, 14714]
3	57781	[2597, 7429, 14714, 11407]
4	-	[2597, 7429, 14714, 11407]

3) Report the execution time of your code, when K = 4 and when K = 2.

K	Execution time for build phase (approx. mins)	Execution time for swap phase (approx. hrs)
2	5.45 mins	1.21 hrs
4	29 mins	5.57 hrs