	Course:	**Social Network Analysis**	**Course Code:**	**DS5115**
	Program:	**MS(Data Science)**	**Semester:**	**Spring 2019**
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	Section:	**MS(DS)**	**Page(s):**	**1**
	Exam:	**Quiz 4**	**Roll No:**	

Recall that Greedy hill climbing algorithm for influence maximization is not guaranteed to give the optimal result i.e. there may exist a set T of nodes whose influence set is larger than the influence set of set S (computed by the greedy algorithm) such that |T| = |S|. For k=3 construct an example graph where,
f(S) < f(T).