Test 2 solutions: CS 5381 Analysis of Algorithms

1. See problem 2 of assignment 2.

2. One possible example is to consider the following activities

i	1	2	3
s_i	0	2	3
f_i	3	4	6
duration	3	2	3

where the approach of selecting the activity of least duration from those that are compatible with previously selected activities produces the set $\{a_2\}$, but the optimal set is $\{a_1, a_3\}$.