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COS 454/554 Fall 2O23 Class Exercise 1 3 questions; 2 pgs. 2023-10-20
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1. List the members of your group below. Underline your name.
2. Using the textbook's Figure 15.2 (p. 423) as a model, trace the execution of Recursive-Activity-Selector on the following input:

| i: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $s_{i}:$ | 1 | 1 | 2 | 4 | 4 | 2 | 3 | 11 | 18 | 16 |
| $f_{i}:$ | 3 | 5 | 5 | 5 | 7 | 10 | 15 | 18 | 20 | 20 |

3. Trace the execution of the textbook's Greedy-Activity-Selector on the input of Question 2. Depict the state of the variable $A$ at the end of each iteration of the loop.
