

1. List the members of your group below. Underline your name.

2. For the following mapping of rod lengths to prices, trace the execution of a recursive cut-rod algorithm for a rod of length 12.

length		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
price		3	4	9	11	14	17	19	24	28	29	32	36	37	41	44

3. Repeat Question 2 for the memoized cut-rod algorithm (top-down).

4. Repeat Question 2 for the bottom-up cut-rod algorithm.

5. (informal homework) Implement all three versions of the cut-rod algorithm and conduct a brief experimental study of their performance. Discuss your results on the class newsgroup.