

Written homework 5 cs320 Spring 18

name:

id:

Make a table comparing the performance of your mkChange divide-and-conquer (dc) and your dynamic-programming (dp) solution, using coins [1,5,10,25] for amounts 1000, 2000, 3000, 4000, 5000.

The table should have at 5 columns: amount, dc time, dp time, dc calls, dp reads. Use the measures you derived in your mkChange code.

Measure time behavior on one machine executing only your divide-and-conquer function or your dynamic-programming.

amount	dc time	dp time	dc calls	dp reads
1000				
2000				
3000				
4000				
5000				

Draw two graphs: one graphing the dc time vs. the dp time, and one graphing the dc calls vs. the dp reads.