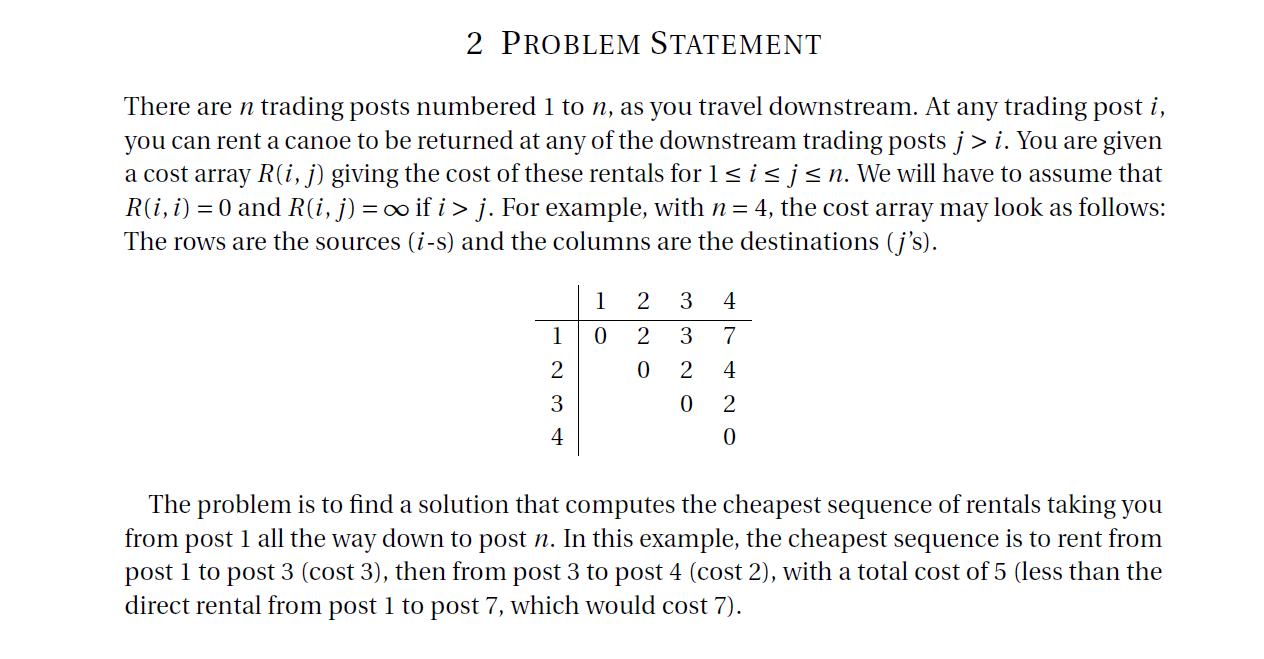
Aaron Chau, Tyler Brent, William Almond

TCSS 343

Spring 2016

Programming Project



Our group project sought to find and analyse the running times of three methods of programming solutions to the problem posted above. The first way we programmed was in a Brute force approach making the most thorough approach that we can considerting every possible solution. Secondly we attacked the problem with the divide and conquer method that divides down the problem into sub problems and solves the problem in that way. And lastly we used the dynamic programming solution that solves the last problem to consider and uses the stored values to solve the problem in the most efficient way of the three.

C[1]=0

For i=2 to n do

C[i] = C[i-1] + R(i-1, i)

L[i] = i-1

For j=1-2 down to 1 do

If C[j] + R(j, i) < C[i] then

C[i] = C[j] +R(j,i)

L[i]=j

End do

End do

End do

end