

Trading Post Problem

- Input
 - n trading posts on a river
 - $R(i,j)$ is the cost for renting at post i and returning at post j for $i < j$
 - Note, cannot paddle upstream so $i < j$
- Task
 - Output minimum cost route to get from trading post 1 to trading post n

Book Stacking Problem

- Input
 - n books with heights h_i and thicknesses t_i
 - length of shelf L
- Task
 - Assignment of books to shelves minimizing sum of heights of tallest book on each shelf
 - books must be stored in order to conform to catalog system (i.e. books on first shelf must be 1 through i , books on second shelf $i+1$ through k , etc.)