

In 2200, the 3rd World War has broken out. You are the president of Algoland and have to execute a counterattack on GermanPoemAnalysis Essays in 9th Grade Land. You have a total of I different types of nukes and have n_i number of nukes of type i . GPAE/9G Land has J cities, depending on their size, you have determined that city j needs k_j nukes to destroy. However, you also know that you cannot transport more than three of each nuke type to each city, since too many of the same nukes is boring.

Model this as a flow problem and explain how finding the value of a maximum flow helps determine if we can bomb each city j with k_j nukes.