SKETCH RISK SOLN
Draw graph to represent the game.
Each region is a node (your řegions only)
Draw graph to represent the game. Each region is a node (your regions only) Noors are connected by an edge.
Convert to a new Flow graph
1) new node s and t 2) duplicate each original node v to create v
2) duplicate each original mos. !!
a) also From (and V w)
3) edge from s and v with with capacity no Armies 4) edge from v to v' with capacity no Armies 5) edge from v'to all noor vs with capacity no Armies 6) edge from border v to t with capacity w.
4) edge from v to v with capacity
1 to all noor vs with moArmies
5) lage ordin 2.
6) edge from border v to t with
7) max-flow!
7) max(flows on border idges) +1 = answer
8 / waxtions or any

Modification Change#6 50+hat capacity of edges to t is 1 (and notax)

. 2) Use the following algo 1. Let k = #of border regions2. i = 13. do (a) value of flow, residual 6 = max flow algo (b) Set capacities of edges to tin residual Graphto 1 Until value of flow!=k 4. i is your answer