Brandon Smith COMP 360: Assignment 2 Oct. 10, 2019 1. A man cut is a cut(A,B) s.t. Fout(A) = & Cur. That nears that YCov EEs.t. UEAadveB F(UV)=Cov. In order to have a different max flow of then the flow must pass through another edge because all edges uv used, veB have f(uv) = Cur. But as a result of val(P) = val(P') then in order to modify P to get a new P' then we nust redirect flow from at deast 1 edge in uv to an egervaled # at edges outside uv och veB because (= | Porall of the power) DEE. The refore, we can now construct A'= A- Jugast Politic ad B=B-{veBs.t. Fort(v) is added} + {veBs.t. fort(v)}
+{veBs.t. Fort(v) is removed} is added }

is added } Which exactly correlates a MN-cut (A'B') for the new Flow P 2. and in the now or column with the most regative integers

Report intil no-such row or column Pount.

and Novely ropes around O(n#) (technically O(2n2+2(n)(n-1)+2(n-1)).