

Conflowed son 15 the only way for the team to not suppose Enly's

## 3 Max: SPS+SV-S+SPV

GIRM: SPYERY, SYSEKS, SPSERS, VT = WHIE-WY, SYSESS, SPSERS, VT = WHIE-WY, T = PSP+PSS,

PT = 12VP+PSP, ST = WS+PSS, SPS==PSP+PSS,

SVS==VSV+VSS, SPSV==PVP+PSV

the flow into a hade must equal the flow coming out of it. There are also in equal took represently that the flow coming out of it. There show should not go above the number of somes Emily has not, in order to find out if she had been eliminated, for the same reason as in The objective function is the sum of all the edges coming out of the start. This makes school because these edges represent the sames the previous questron. of their remaining sames. The constraints represent various played between each team. We are trying to maximize the sames played because the solution is only viable is couch team plays all

## Part 2 - Inplementation

current set of test cases alrest test a vide array of values and such sizes, I could make test cases of more extreme sizes, but I believe that would test the efficiency of my graph generator more than my solver I did not all any additional test cases because I believe the