HW12 - 5.26 + 5.28

5.26

For set of variables XI... Xn N & input m of constraints of for "X:=X;" or "X: \for X; \for X: \for X:

Check constraints (M, M) M= variables, n= constraints

makeset for all variables to Xn in n = EX3, Ex3 = ... EXn3 disjoint set

for all constraints, c in m * Therak Through each constant, assuming premoth

left = left side variable of c to make size all equalities core that has been done to

Night = right side variable of

If C is equality

"Union (left, right) * Add two variables into some disjoint not to create equivalent if C is disequality

if find (left, right)=True to It two variables that are supposed to not be ignal I return False - are in the same asjoint sot, the constraint is violated: retain false return True

Alice's party - n people to choose from, list of pars who know Cachother. Intre must 1) have at least speggle they know (2) S people they don't know choose invitees (n, pais) involveset = make set of duple objects of Eperson, count = 03 for all people in in While person removed 15 True Person removed = False for all pairs in pars increment court for person & purso 2 of pur for all invites in inviteeset: if count 25 x does not know remove invitee from invitesof person removed = True remove par working person from pairs else if court > n-S to knows too many people remove invitee from inviteesof person removed = True remove pars containing person from pairs return inviteeset

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