- 1) L has all the strong that contains the language
- 2) valedate of L contains some Ptem
 to binary

 Some of tem
 binary

Algorithm reduce (L)

for each 9tem to L do

9f convert(9tem) == 5

return false.

A. P Randomly we pack a spanning tree of 6

an push Pn a Sequence T

(2) We need to write a algorithm for calculate the som of the subset, is Exist a HST with at the least min Weight.

Algorithm HST to SS (6, T, min)

some=0

for each e to T. dements() do

som = som + get Weight(e)

Pf gum >= min

return Yes

else

return NO_SOLUTION

B) Randomby we are going to put the no shortest feth 9n + and @ wenced to write a algorithm for calable the MST of T with weigh at mast may Boes exist? Algorethm SP to MST (G, T, max) 9+7.5120 ())= 6 num Vertices (1-1 then return NOT - FOUND total <- 0 for each e Pn T. elements() do set & ageOfT(e, YES) total of total tweighted (is conected, 95 ctycle) = BES(6) of escented 1 psayde 1 total < max then return yes else NOT_FOUND Algorithm ent Rosat (6) components:=0 Ps cycle:= false Algorithm pre Component UPSP+ (6, U) components & components +1 Algorithm preedge visit (6 N,e) if getEdge OfT(e) = 465 then set-Label (e, CKPP) Algorithm cross Edge Uiset (6, u,e, w) Pscyde= true 3 Algorithm resolt(G) return (Componets, Escycle)