Compone if added in case I added to some of are scratch work roughdrafts for j from 1 to n Generate)= V, + max [My, M6, M7, M8] = V2 + max [M6 , M7 , M8] = V3 + Max [M7 , M8] = V4 + max [M8])= V5+max [M8] (6) = V6 + max [0] 17) = V7 + max [@] Mg) = Vg + max [Ø] total value set un as som for a number i

XZ HW3 Rough Draft
job sorted by finish time get compatible jobs (jobs arr)

for i from 1 to n

for i from i+1 to n

if jobs arr [i]. from [i]. sobs arr [j]. s

ligobs arr [i]. arr. append [i]

was value (jobs arr [i]) return max (jobs arr [1].v, ..., jobs arr [n].v) get max volve (job)

if length (job; cmr) = 0

return else if length (job.grr) = 1 jobov = jobov + job.grr[1].v; return for i from 1 to length (iob. ann)
get_max-value (job. ann [i])
return max of iob. ann Va jobal = jobal + max (joban D1 Jov, ... joban Cle

+3 Case 2) $X_{i} = \begin{cases} 1 & i = 1, ..., j-1 \\ x_{i} = i, x_{j} \in [0, 1) \\ 0 & \text{otherwise} \end{cases}$ j-1 $\sum_{i=1}^{n} w_{i} + \mathcal{E} w_{j} = W$ i=1- k is least index solo xx + xx • k < j, $\chi_k = 1$ • k = g, $\chi_k^* = \chi_k$ • k = g, $\chi_k^* = \chi_k^*$ • k > g, $\chi_k^* = 0 = \chi_k$ • $\chi_k^* = 0 = \chi_k$ Xx X X9 /XX </ weeked. New solution & y, only and W; (x; +y;)= Wx(yn-+x+) degent a neight manager height thanks

C5. 2500 HW3 find longest subsequence (str, n),
mex_ oalindrome [][]=arr(len=n, len=n) for i from 1 to n

palindrome [r][1]=0

Vindrome [r][1]=1 for 15th from 2 to no for r from 1 Hon-95tr C=1+56tr-1 it strail strail if 541 = 2 Max palindrome [r][c] = 2 else palmorone EDECZ=max galindrome [FJCC]+2 max palindrome [+ 7 CC] = max(mox) palindrome [+ JCQ), mox galindrome [+ JCQ) max_palindrome [1][n]

HW3 Rough Draft (92) (91.y-92.y)12 minimum (x,y 12 (1+2+vz)+(2+vz+vz) 7 252 get perimeter of each triangle for a given point me cated goes through Outer for loop strooks if

delete s; = D; insert into s; = I; ireglace s; with s; = Cij def dynamic edit distance (str1, 21, str2, 22, D, I, C) for r = 1/10 + 1/1for c = 1/10 + 1/1if r = = 1 1/if straisompty min_table [r, c] = Sum(I[910c]) else if c==1//if str 2 is empty min_fable [r, 0] = sum(D [1 for] else if str1[r-1] = str2 (0+17) min forble [r, 0]=min table [r-1, c-1]+C(r-1)/=0
insent str2[0-1) into str2[r] e/9e min_fable (r, c) = min (min_fable [f](-1]+I(0-1)

min_fable (r-1) (J+D(r-1)/delete

min_fable (r-1) (J+D(r-1)/delete MIN_ table [1] [C-1] + [CO-1] / 54691 return min-table [r, c] [Nel Str CC-2]

X-8 HW3 Rough Draft def Greedy-Edit-Distance (9tr1, str2, 11, 12, D, I, C) min_table CJCJ = arr [11+1, 12+1] for r from 1 to 11+1 for 0 from 1 to 12+1 -if r== 1 min_table [r, c] = sum(I[1 to c]) 0/9e if c==1 min_table [r, o]= Gum(D[1 to r]) 0/5e if str1[r-1] = 5tr2[0-1] min-table Er, O]= Cr; else Il di fferent chanacters min fostet Cr, 0] = min_table(r, 0]+ min(Der-1] Ier-1) Cer-1) + min date [i-1,0-1] return min table Er, C] 15/5/5 WRONG!

HW3 Rough Draft def greedy-edit distance (str1,str2, 11,12, D, I, c) if 11==0 return gum(I)
blse if 12==0
return sum(D) Ca cur _str1_len = 111 for i=1 to 12 if stricij==9tr2[i] for - cost = fortal - cost Hotol cost += min(DCiJ, CCiJC if cur strl length < is total cost f = Tri) cur gfr lent=1 if strIci) == str2ci] total_cost t= Cci] 0, 50 mm_val == min(CCi), DCi?, ICi) total=cost += min_val X 10

if C[i] = min_val if D[i] = = min_val cur_str1_len -= 1 else cur_str1_len+=1

for i from cor strl_len to 12 total_east += D[i]

return total_cost