1) For 2 assembly lines: fastest\_way (t, a, n, e, x)  $f_1(1) \leftarrow e_1 + a_{1,1}$ 12[1] ← e2 + a,; for j ← 2 to n  $if (f_1[j-1] \leq f_2[j-1] + t_2,j-1)$ f, [j] = f, [j-1] + a, j LICIJ - 1 else  $f_1[j] = f_2[j-1] + t_2[j-1] + q_{1j}, l_2[j] + 2$ if ( f2 [j-1] ≤ f2 [j-1] + t1, j-1) 12 [j] = f. [j-1] + a2; L2 [j] ← 1 else f2[j] = f2[j-1] + t1,j-1 + 02. 12 [j] ← 2 y {1[n] + 21 ≤ f2[n] + 22 f\* < f[[n]+x1 L\* (-1 else  $f^* \leftarrow f_2[n] + \chi_2$ L\* < 2

Teacher's Sloosture

#			
	print (L,n)		
	*	ingo accidence in the grounder build	
	print 'line'i 'station'n		
	for $j \leftarrow n + 0 2$		
	i ← L¡[j]		and magnificials providingly reproduces and uniting gardiged for
	print 'line' i 'station ' j-1		
			Alpertan him to the property of the
	end		
		Į,	
	[[j]: info. that which assembly line premions	shop	
	belongs in an optimal path	11.1	
	pour ys an an openion		
	Time Complexity - 80(n) +70(1)		
	Space complexity: 40(n) +50(1)		
	space complexity	1	
-			
-)	Improved version:		
	Opath (f,t,n,n)		
	for it 2 to n	107	
	ig fili] < fili]		
	y f, [i-1] ≤ f2 [i-1] + 62.j-1		
	print line 1 'Station' (1-1)		
	else		
Đ	print 'ene 2' * station' (1-1)		
		The same	
	Toachar's Signal		70

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Teacher's Signature

	PAGE NO. 1
min-oc (f, t, i, j, m, L)	
for k + 1 to m	man control policy of the second policy of the seco
) 4 K! = 1	
0(m) M[K] ~ fx [j-1] + tx,j-1	The second secon
MEK) < f[j-1]	and we will see the second of
oros smaistra) min ( M[1]	suppriscion attenda connection aurany con en crant any provincian connection a
for L = 3 to m	4
y (MEL) < min)	e garaginabalis cultural security para di distributiva (security security security security security security
30(m) min = M[]	kausemuskanna lähi vain mannen avananatan on mannen kallinin kai lähen kään kään kään kään kään kään kään kä
$L_{i}[j] = 1$	
	and which all the first leaders on the first residence where where the extreme of a second continuous section of
return min	
print (L,n)	
print 'line'i station' n	
$for j \leftarrow n + 0$ for $j \leftarrow n + 0$ 2	
i L L [ [ j ]	
print 'line' i 'station ' j-1	
end	
Time (no. levil ~ O(m2n)	
Time Complexity = 0 (m2n)	
	WATER TO
	No or a comment of the comment of th