



is maximized. ] Greedy approach Find length  $l : \frac{P(e)}{e}$ Greedy algorithms are often optimal i 1 2 3 4 N = 24 P(i) 1 14 24 25 but be careful about correctness. -> How bad is this greedy algorithm. Practice problems - B 1) Specification :  $\rightarrow$  find the smallest common supersequence of two strings

Let	S	[i]	=	max	#	01	actin	nties	the	at	you	CON	n (	atteno	l	
				M	first	i	di	nys								
					•			0								
			<b>8</b> , 3		,7,	, 4										
		8	[1]	= 8												
		S	[2]	= 8												
		S	[3]	= 9												
		(	5 [4]		5											
			۲. ۲۵	) 1 =	15											
				J												

	M f	ITCHES				Mate 1		Ache ↑		S			
				P	R	A	N	${\cal T}$	A	L			
				A-	R	N	A	V					
			ρ	A	R	A	N	J	A	L	V		