I. a/ Greedy MST  b/ NO, non- constant work might  be required to fill in each matrix why  c/ 1, logn, √n, n, n³+n², n³ logn, n  c/ 1, logn, √n, n, n³+n², n³ logn, n  d/ α=7, b=2, d=2  β(n 1927)  e/ α=3, b=9, d=1/2  e/ α=4, d=1/2  e/ α=3, b=9, d=1/2  e/ α=4, d=1/2	MIDTERM SOLUTIONS
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	Greedy Algo: stores as many machines on possible on first rack, storting with my finishing with mg, (included) Start again on 2nd rack with		al m. M. M. M.	II. Th's computing lab
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Rack: 6 MR MRs. My (Mp.)  Grantain strictly none machines  on rack: then O.  First: racks: Same  Permining Rocks:  Same os in O.  Same os in O.	opticality: consider any intence compare greety sol. on this instance, Greety sol. O. to an opt. sol. O. the first rack
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6 onc

(i) Opt. substructure.  (ii) Opt. substructure.  (ii) Opt. substructure.  (iii) Opt. substructur
--

(1) Q2 c <(:)> c/ Cordexity b/ Recurrence 15 K50 Zw; <1 Xn+1)=0 < 5000 case) , he)++)× 200

right the stage on the	with M:	the las	- Bottom-up.	9	do	- Top-down	de Algorithm.
with the reck	3:	+ machin	·-4p.	coref	n- + forge		
mero recu		e on the	2ht:	ay the		molement	
		rack s	• •	Fe 72	nemo	the recurrence	

1= n downto 1 {  1= n downto 1 {  1= n downto 1 }  1= n d
--

find a schedule of makeum	b. Give to (and other pavaretes)	Makespen	R T, T2 T2 T2	III. a/ Min. Max of 2 exec. time

AUSSURING et: The Tarks Palse otherwise

C(i,+) = C(i-1,+) or C(i-1,+-w:) C C n &

base cape

C(0,+)= tree ilf

Complexity O(n/k)

Pb is is NP we do not know whether EP.

(1) Q4 c/ See To X class notes log (weet) Colact rex (w(e))