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Mechanics				
Alternative approach				
 ΦP_n and ΦM_n are calculated for various values of "c" from 0 to h, with the check that during calculations f_{s1} and f_{s2} do not exceed f_y for both equations. 				
Table 4				
(c (in)) ≤ c ≤ (h = 12)	ΦΡ _n (kips)	ФМ _n (kip-ft)	
	3.69	0	36.25	
	5	64.6	41.59	
	7	133	43.09	
	9	185.3	36	
	12	252.64	19.44	
	Axial capacity	281	0	
Prof. Dr. Qaisar Ali		CE 320 Reinforced Concrete Desig	n-l	42





















































