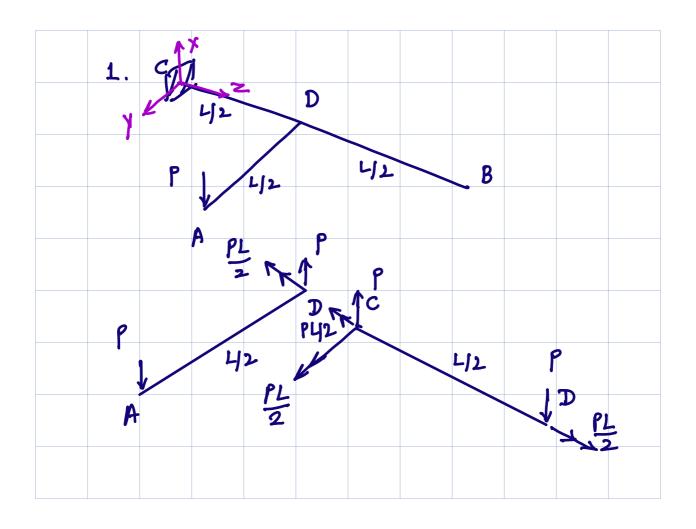
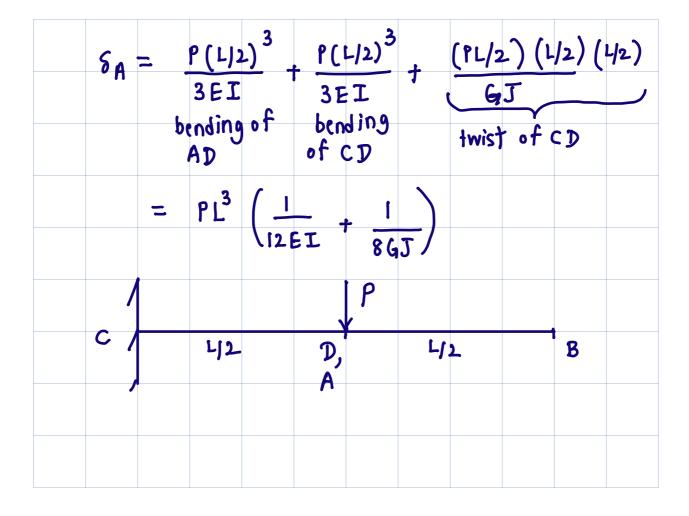
	xial	VS	Reugi	ng	Vet le	ctions	•		
	1				/	P			
			L			c/s	s	luare	axo
	A = 0	2 =	L ² /10	0, 3	$\Gamma = a^4$	c/s a= /12 =	L/1(/120,	DDD
Sari						/EL			



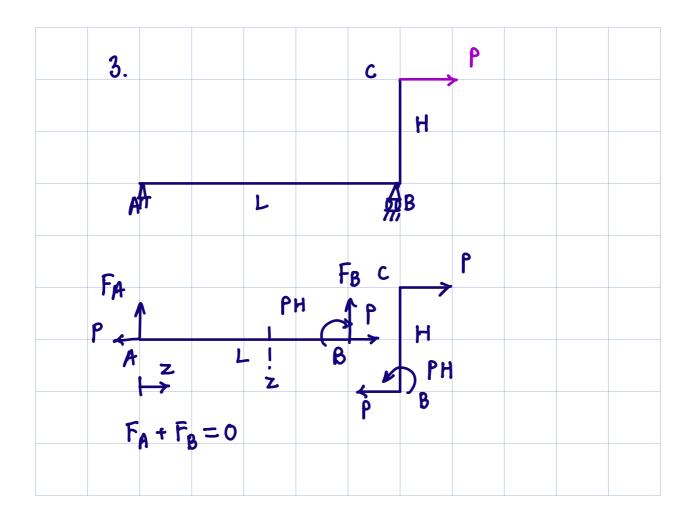


S	=	P (2 Q.Z.	- a ³)	Z	:L	S	ee otes	
		EI	2	6	/	, Z= , Q=	: <u>L</u>	n	otes	
	=	٢	L ³ 5							
		EI	48							
In	CD,	T	max =	PL	,	M max	= <u>f</u>	L		
	Γ _{zz} =	32	$\frac{M}{3} = \frac{1}{3}$	ے او	PL	T _z	= x	167		
		NO	3	T	CD3		=	TD3 8PL		
								TD3		

Tmax	= ((5	2 - (xx)	+ (2x)	2_
	= 81	2 PL		
		TLD3		

2.	В	1		Α,	P	
0	L					
	С	L		D '	r	
	PL			Α,	, P	
1	3 1 P	L	•			
PL	P → V a	0 _B =	. PL a			
	Ba		2EI			
PL	1 P	$\theta_c =$	-PLa	,		
			2EI			

SA =	PL ³ 3EI,	OB L rotation @ 8	3 due
	bending of AB	rotation @ 8 to bending o	of BC
=	PL2 (2L+	3a)	
	6EI	2	
AD' =	$AD - 2S_A =$	a - PL ((2L+3a)
Mm	nax = PL		
M	nax = PL		



F _B	L-PH	= 0	⇒	$F_B =$	PH				
					L FR=	PHJ	L		
M(z) =	C			B	D P	Н			
M(z) = F _B (L-z) - PH	FB	V	L-Z						
N	(z) =	-PH	Z	ch	eck	M(0)	=0	/	
	(z) = =	EI	u"						
	u"= -	- <u>PH</u>	Z						
		EI	L						

$$u' = -\frac{PH}{LEI} \left(\frac{z^2}{2} + C_1 \right)$$

$$u = -\frac{PH}{LEI} \left(\frac{z^3}{6} + C_1 z + C_2 \right)$$

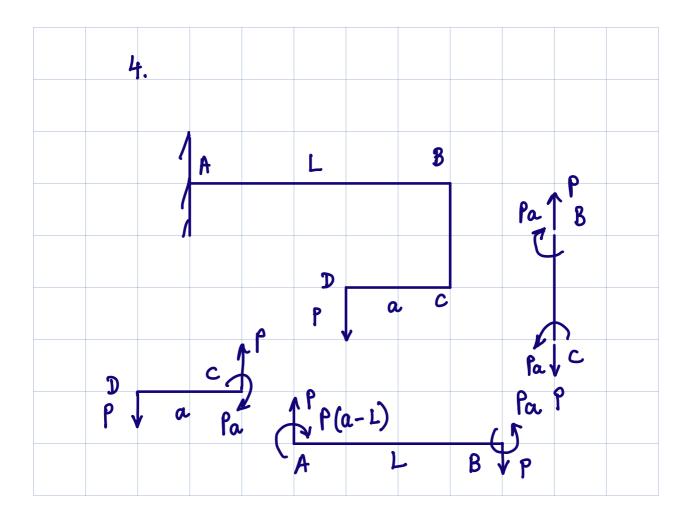
$$E[I] \quad U(0) = 0, \quad U(L) = 0$$

$$\Rightarrow \quad C_1 = 0, \quad C_1 = -\frac{L^2}{6}$$

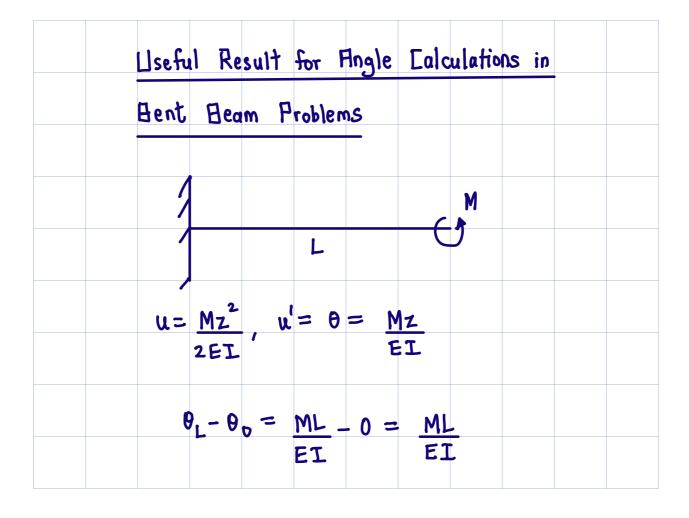
$$\text{want angle at B,} \quad U'(L) = -\frac{PH}{LEI} \left(\frac{L^2 - L^2}{2} \right)$$

$$= -\frac{PHL}{3EI}$$

2° =	PH ³	PHL H 3EI
	Bending of BC	rotation at B from bending of AB
11	30.95 mm	Trom ourself to



Sp	2 -	. _Ի Լ	Pal ²	_ 0 (given	
		3EI	2EI			
	习	$a = \frac{21}{3}$	<u>_</u>			
		3				



M		, M	
G	D L		
u=	$-\frac{Mz(L-z)}{2EI} =$	$M(z^2-Lz)$	
	2EI	2EI	
u':	= <u>M</u> (2z-L) = 2EI	: θ	
	2EI		
9	$_{L}-\theta_{o}=\frac{ML}{2EI}$	- (-ML) =	ML_
	2EI	(2EI/	EI

Both	are	consis	itent (as b	oth 1	beams	have	
	арр							
	, · ·					#2 •	f	
Hhis	tuh	rial.						