<u></u>			†·····
	CA/B	LÁNB	FAIL & FLID
	2,41+1,87 M	0.82+0.67	6.48(-8.64)-0.96k m2
2	-300 ( +160 j mm	-0.88 i +0.47j	0 mm2 //
3	-3ĵ m	1	-9î-4.5k m²
	-12î in		96) in 2
5	6.51+81-26 Ft	1	401-245j+32k 112
	FAIB. SCIP		######################################

-0,199 m 2 - 340 mm 3 -2,619 m 4 -5,622 H

2) CD 15 NOT a 2- Force member. Find M. Equilibrium et each part Postions (mm) Forces (N) FA18-902 +180] FA = - 240 î FB = FB J Fe18==1602-3201 Fe= Fex (+ Fig ) we don't need FE, so lets see if we can avoid it. 5 Fx= 0 = - 240+ Fex Fex = 240 N 2 F3 = 0 = FB + F4 ZMB= O= FAIB × FA + TCB × FC = (90? + 150j) × 240? + (-160?-320j) \* (Fix? + Figi) Ok = 43,200 k - 160 Feg k + 320 Fex ? Fey = 43,200 + 320.200 = 750 N Fry (FB= Fez, 50 FB= - 750 N)

Pesitua (mm) Forces (N) Ten= -3001-125/ -Fc= -2401-750g Ro- Roxi + Rosi 5 M = 0 = (-300î-125j) x(-240î x-150j) + MÂ 0 = 195,000 k + Mh M--195 Nm Sign seens right force on ( of will be a 120 down to right. Mult by lever arm gives 120 x 250 a 30 Nm.
The reason magnitude is offices & 15 NOT a pivot. B 5/16s, so this is a "funky"

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There are NO Equilibrium, Friction Solve For both up and down P impending unction, a) Presume down JFE. Fr = NN S N=0.25 FB = FBx ( + FBy) 2 Fy = 0 = -P + Ns N + FBy

FBD AB

SIMIS Position (ma) Forces (N) Fr = NINI j FC18 = - 801-138,6] Fc = Fc(-0,866i + 0.5j) FA18 = - 3001-519.6; Q = -100j STAG= O = TCIB × FC + TAIB × O 0 = -160 Fek + 30,000 k Fc= 187,5 N EFx= 0= N + 0,866 Fc N= -162.4 (N is to left) 2Fz=0=-P+0,25 N+ = Fc-100 P= 162.4 + 187.5 - 100 = 34.2 N For impending motion down, N=-0.25 means stiding down P= -162.4 + 187.5 - 100 = -46.9 N