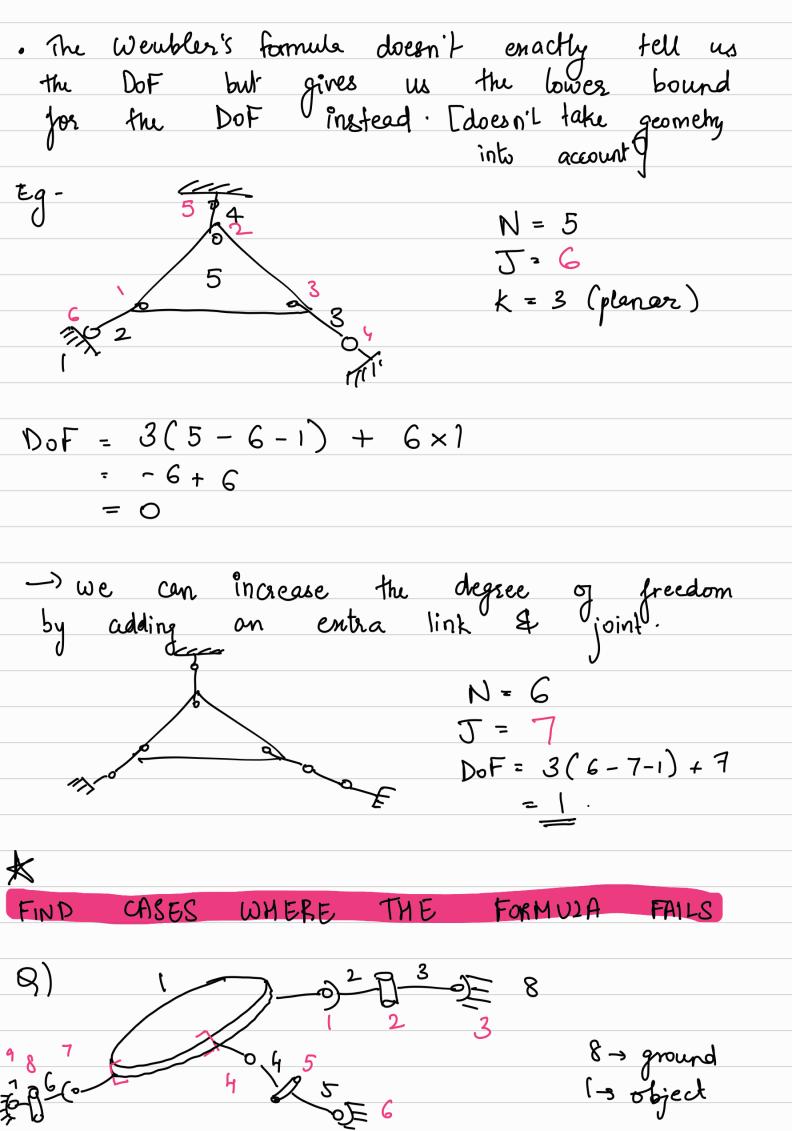


DOF = 
$$K(N-J-1) + 3 f_{i:1}$$
  
=  $3(6-1-1) + 7x1$   
=  $-6+7$   
=  $1$ 

$$N^{2}5$$
 $J = 6$ 
 $D_{0}F = 3(5-6-1)$ 
 $+ 6$ 
 $-6+6$ 
 $= 0$ 



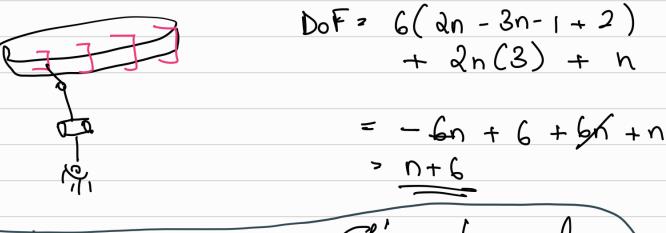
here 
$$0 = 3$$
 spherical

 $0 = 3$  revolute

 $0 = 8$ ,  $0 = 6$  (non-planar),  $0 = 9$ 
 $0 = 6$  (8 - 9 - 1) + 3(1) + 6(3)

 $0 = -12 + 18 + 3$ 
 $0 = 9$ 

now assume there are n-clamps on the spherical disk

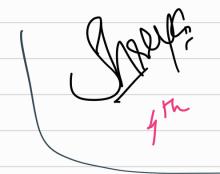


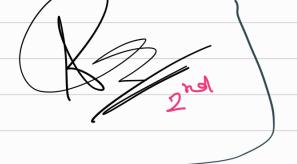
Jim Doved

- Sellining

Strain Sellining

Strain





Assignment + Quiz -> 2 parameterization Qualtions, DoF, task space & work space 8) difference b)w explicit par ameterization. & implicit