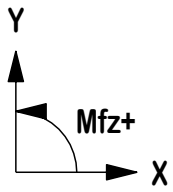
Calcul des réactions d'appui :

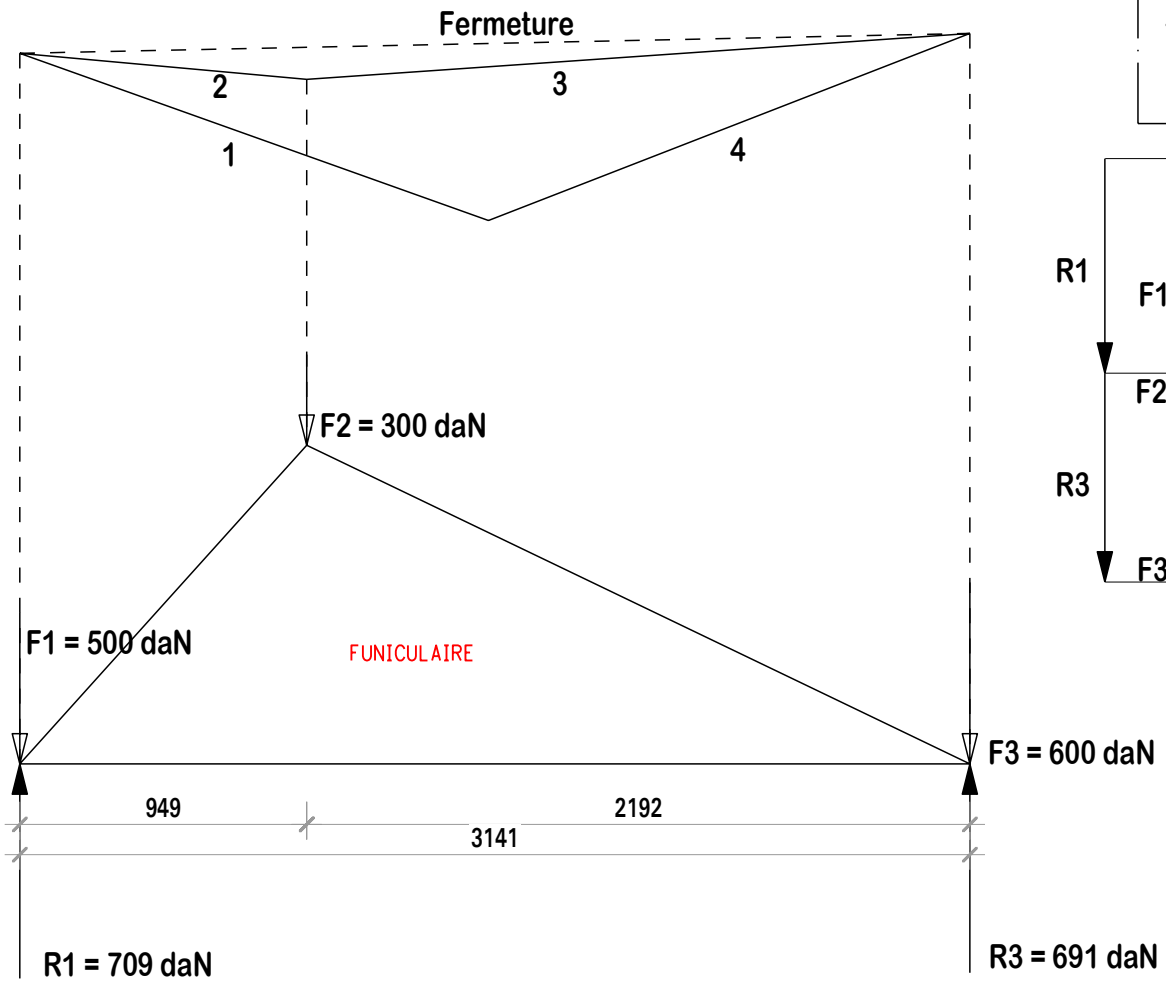
Somme des moments en un point (ici 1) = 0

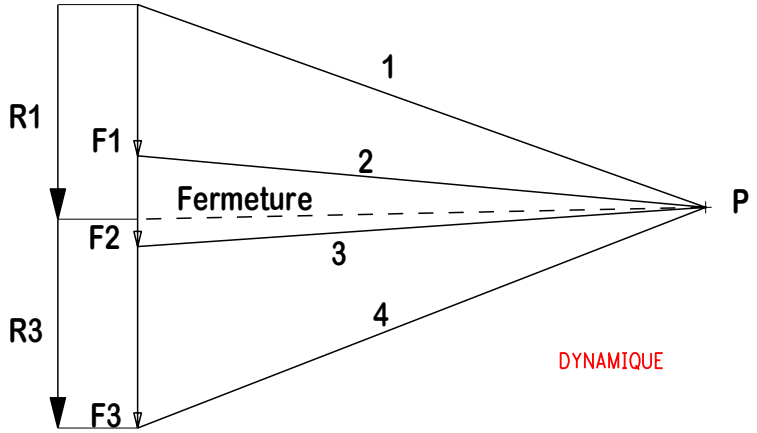
(-F2*0.949)+(-F3*3.141) + -R3*3.141)= 0
-284.7 - 1884.6 + 3.141R3 =0
R3 = (1884.6+284.7)/3.141
R3 = 690.6 daN

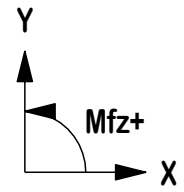
Somme des forces = 0

F1+F2+F3+R1+R3 = 0
-500-300-600+R1+690.6=0
R1=500+300+600-690.6
R1= 709.4 daN





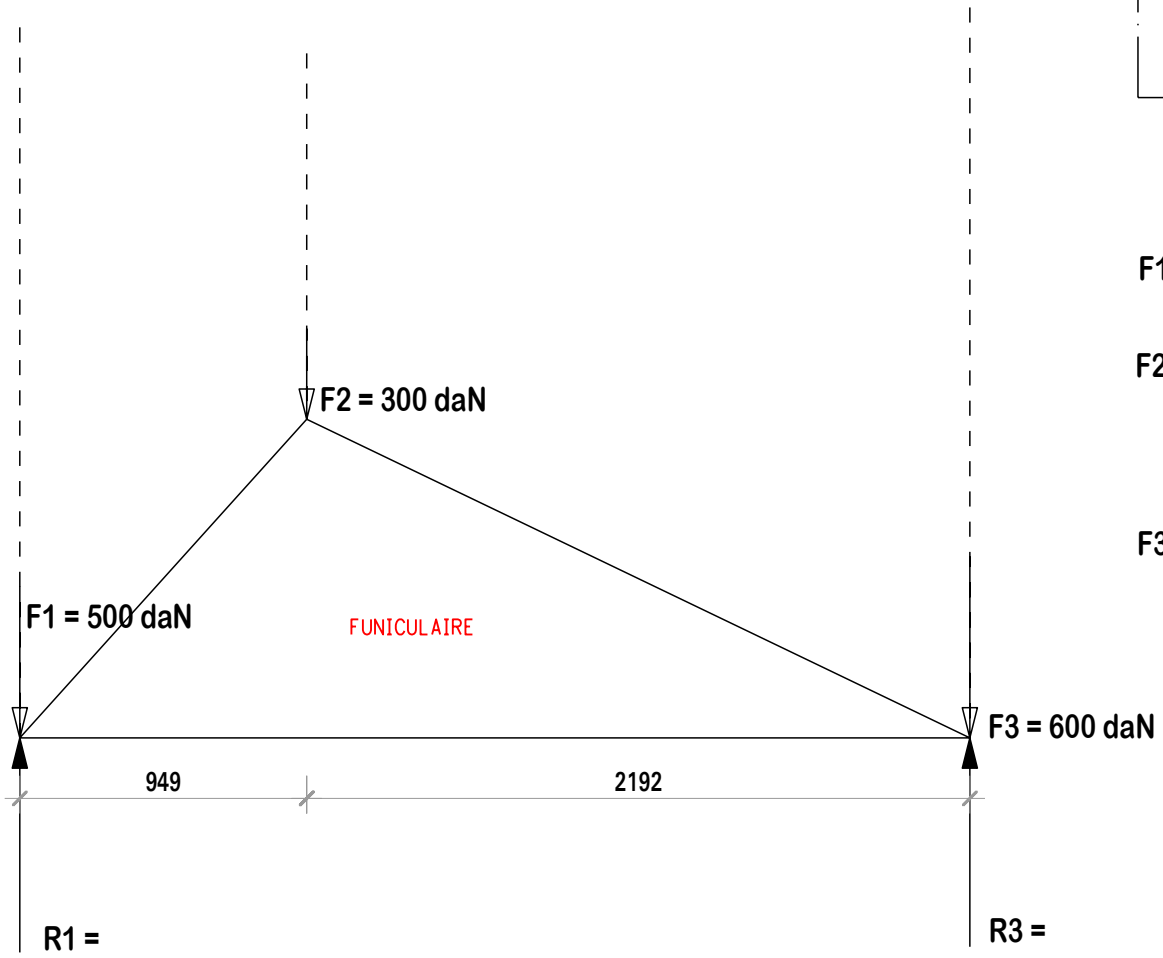




Calcul des réactions d'appui :

Somme des moments en un point (ici 1) = 0

Somme des forces = 0



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DYNAMIQUE