Dik:

- $L_1 = 26$(femur)
- $L_2 = 69$(tibia)
- $\theta_1 = 40^\circ$
- $\theta_2 = 30^\circ$

Dit: Forward Kinematics?

Rumus

$x = L_1 \cos\theta_1 + L_2 \cos(\theta_1 + \theta_2)$

$y = L_1 \sin\theta_1 + L_2 \sin(\theta_1 + \theta_2)$

Jawab:

- $x = 26\ cos\ (40°) + 69\ cos\ (40° + 30°)$

  $y = 26 \sin(40°) + 69\ sin\ (40° + 30°)$
- $x = 26\ cos\ (40°) + 69\ cos\ (70°)$

  $y = 26 \sin(40°) + 69\ sin\ (70°)$
- $x = 26\ cos\ (40°) + 69\ cos\ (70°)$

  $y = 26 \sin(40°) + 69\ sin\ (70°)$
- $x = 26\ cos\ (40°) + 69\ cos\ (70°)$

  $y = 26 \sin(40°) + 69\ sin\ (70°)$
- $x = 26\ (0.766044443118978) + 69\ (0.3420201433256688)$

  $y = 26\ (0.6427876096865393) + 69\ (0.9396926207859083)$
- $x = 19.917155521093427 + 23.599389889471148$
  $y = 16.71247785185002 + 64.83879083422768$
- $x = 43.516545410564575$
  $y = 81.5512686860777$

  Hasil akhir

  (x,y) =(43.5165, 81.5513)