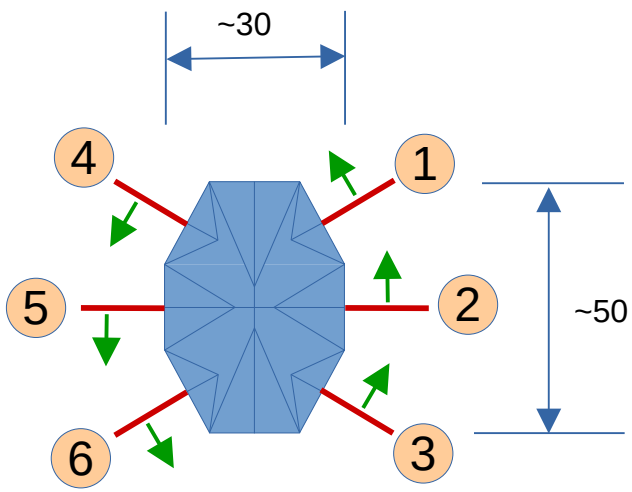
The Pushup Sequence

Version 1



Direction of local +ve Z axis for each leg

n Leg numbering

The Pushup Sequence

-robot starts squatting low, then rises vertically to tall position, then back to squat, and repeat...
-each toe's position represented by (x,y,z)
  x is distance away from robot body. This is a different absolute direction for each leg
  y is distance above knee joint. This is same for all legs, and is usually negative, i.e. toe is below knee means y < 0
  z is the local leg's forward direction. This is a different absolute direction for each leg. Shown by green arrows in diagram above
-for pushup sequence, all legs can use the same (x,y,z) values:
  squatting (x,y,z) = (7, -12, 0)
  tall (x,y,z) = (7, -5, 0)
- it would be good to know how low bot can squat before body hits the ground
- need to test above sequence using the single leg prototype

Drawing templates for future diagrams. please ignore.