

# MiiA First steps

## Aim:

One of the first things we would want to do is getting MiiA walking. This exercise will help you make MiiA take those first steps.

**Hint:** the step consists of 3 stages (Think of the way you walk, what are those stages). Important questions to ask are: How will you take 2 steps? How will you take many steps?

## Walk

### Forward – step with left leg

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Notes					

### Forward – step with Right leg

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Notes					

### Forward – Combine for two steps

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Step four	Angle				
Step five	Angle				
Step six	Angle				
Notes					

*Hint: two steps can be looped for as many steps as you want*

At this point you should have gotten MiiA to walk forward. Great job!

Now to extend this to make MiiA walk back. This shouldn't take too long. It's the same thing, but different

## Walk Back

### Back – step with left leg

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Notes					

### Back – step with Right leg

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Notes					

### Back– Combine for two steps

		Motor A	Motor B	Motor C	Motor D
Step one	Angle				
Step two	Angle				
Step three	Angle				
Step four	Angle				
Step five	Angle				
Step six	Angle				
Notes					