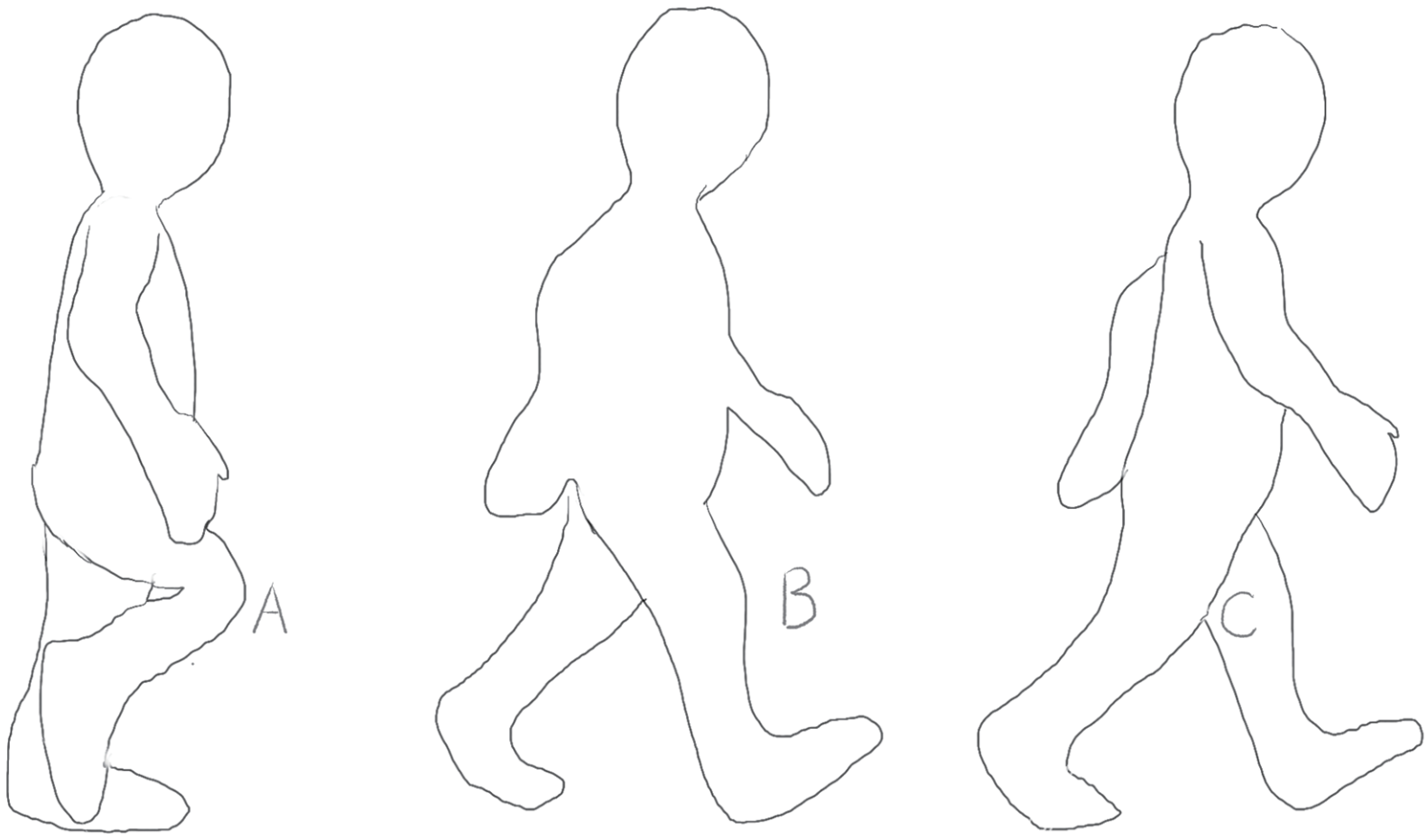
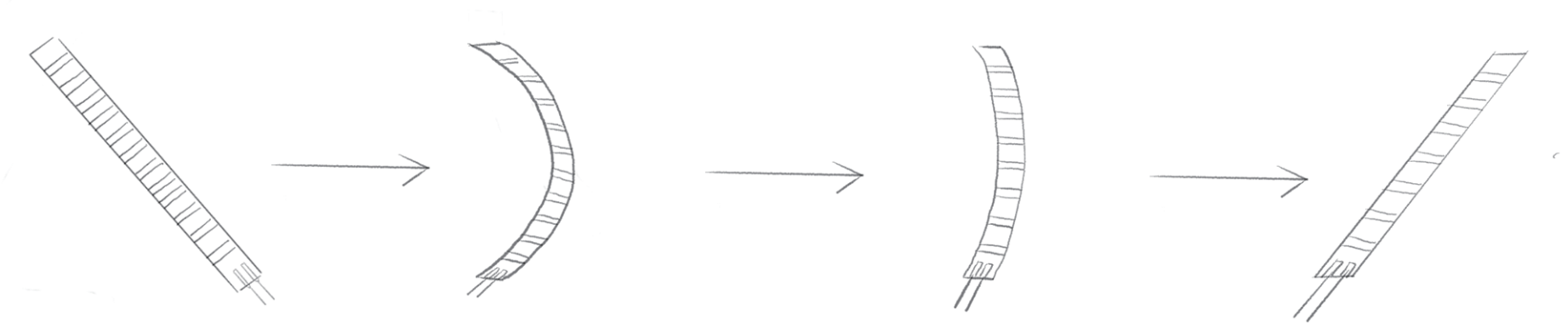
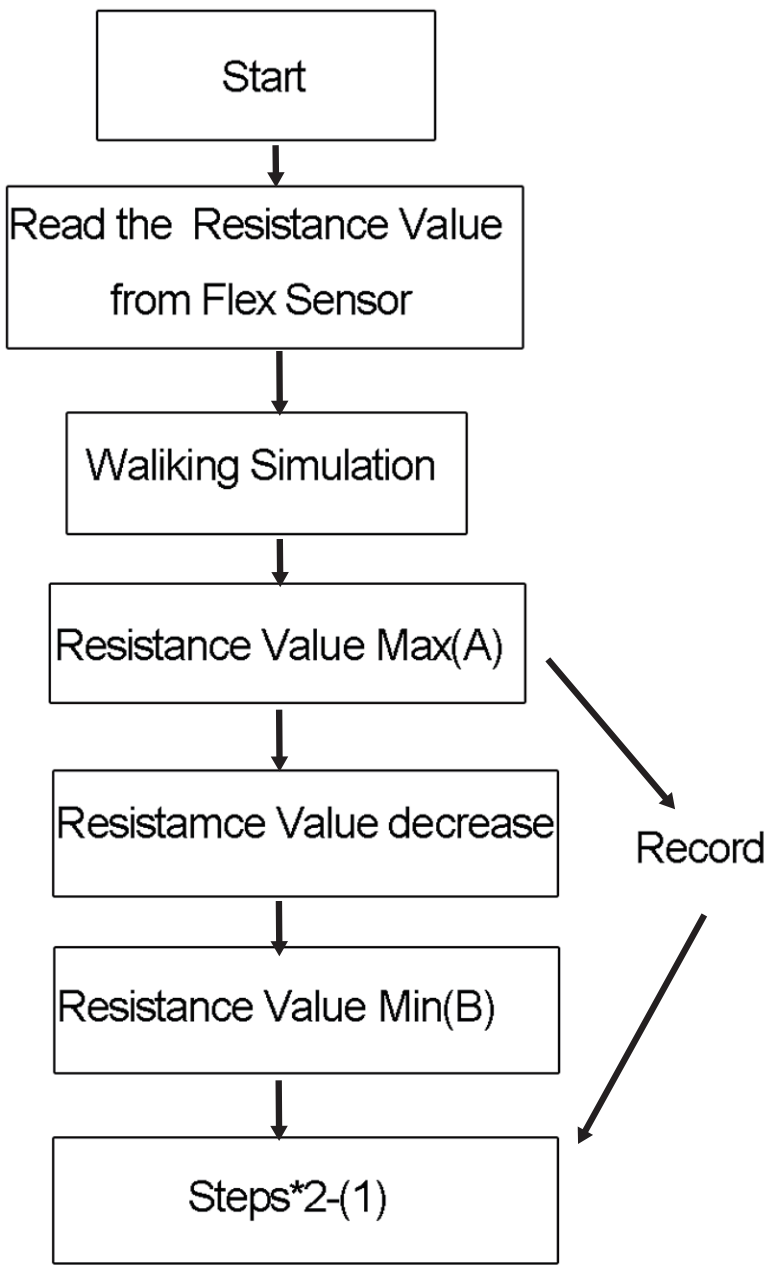
Walking Steps Measure



Basic Simulation of Waliking



Flex Sensor Changing with Simulation



Flow Chart

When people walk, knee begins to bend.

When finish one step, knee will become straight again.

Flex sensor is measuring bending by measuring resistance. When it is bending, resistance increases. Otherwise, resistance becomes decrease.

Applying flex sensor to measuring steps of walking. Setting up one flex sensor on one of people’s knees, when they are walking. Theri knees are bending, record the max resistance of sensor and min resistance of sensor(A). When resistance becomes max one, it means people will walk one step. Then the result of total steps are numbers of max resistance multiple two and minus one, namely, A*2-(1).