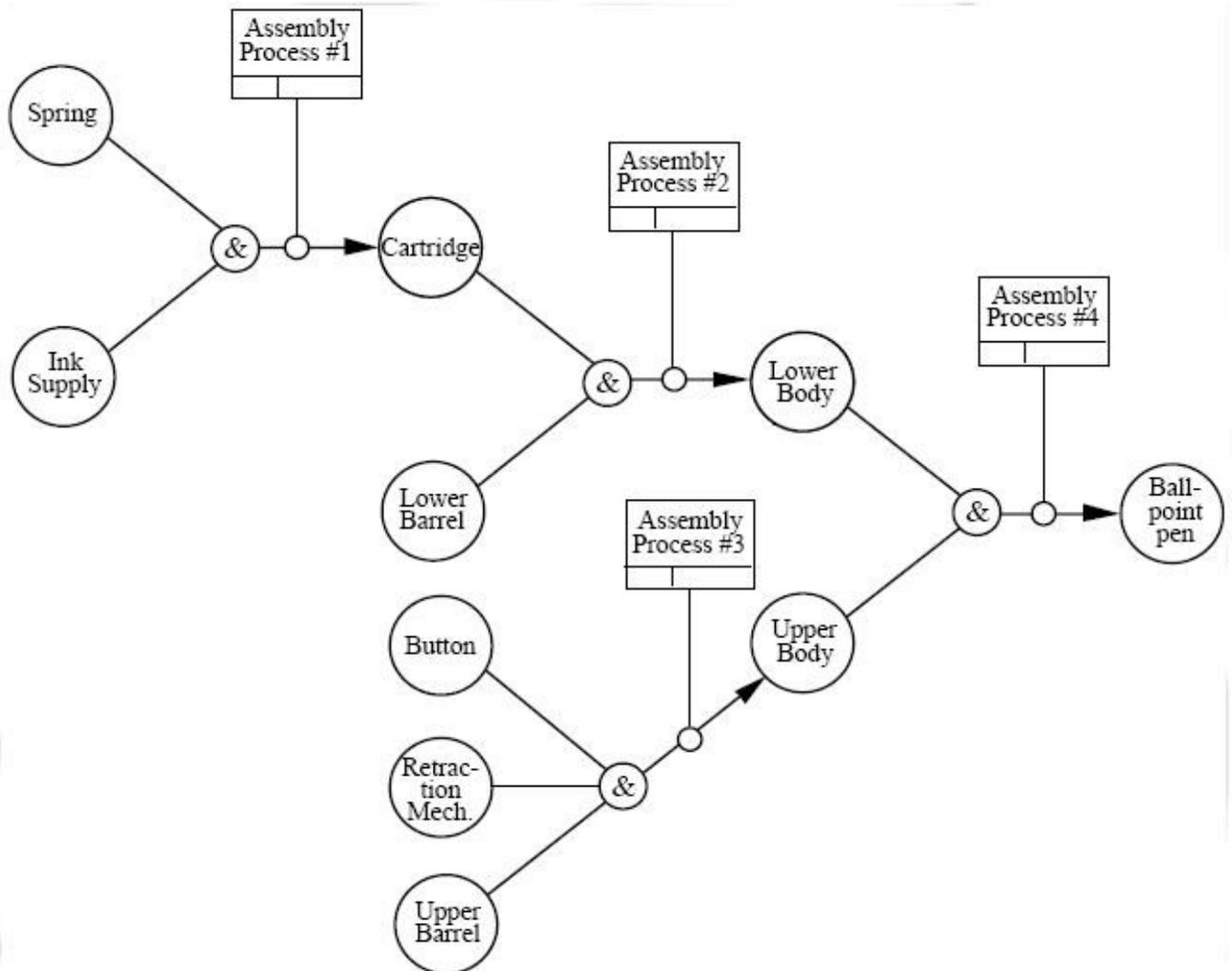


## PROCESS FLOW CHART FOR PEN MANUFACTURING



### Time Required to Complete the Various Processes shown above:

Assembly Process #1 - This step will take 4 minutes to fill the Cartridge with ink and have the spring placed onto the said cartridge.

Assembly Process #2 - Inserting the Cartridge (with it's spring) into the Lower Barrel will take just 30 seconds.

Assembly Process #3 - Assembling the Push Button and the Retraction Mechanism in the Upper Barrel requires just a minute.

Assembly Process #4 - Coupling together that is twisting the Upper Body onto the Lower Body will take a minute.

The entire assembly of the ball point pen will last approximately 6 minutes 30 seconds.

## PROCESS FLOW CHART FOR PEN MANUFACTURING