The circuit consists of a shift register at the

top. The input is fed to the shift register

and when we togget the load button to I

the register starts working and shifting the

i/p ome by one with clock pulse. The inputs are fed into two counters made by the Jk flip floops. These count the no.

of 1's (By uppor counter for Boys). a 0's (By lower counter for girls). The clock pulse to the counters is passed as direct i/p for boy's counter so that it counts 1'. And NOT of i/p for girls counter so that it counts of i/p for girls counter The values of counter is displayed using a 7-segment Blue led display. The outputs of the counter one then fed to a companator circuit which compane which is grater no. of boys or no. of girls or are they equal. → Comparator: → Stopping circuit:

We have used a FSM made up of 4 flip

flops.

It has a 3-bit counter at back and

when counter treaches 1112 (70), for first

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after that this output gets toggled.

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