Process scheduling algorithm

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Name of Algorithm --- Flip SJ - LJ flop algorithm (Flip shortest job longest job flop)

Working -

The working of this algorithm look like a flip-flip flop, where it will have imaginary two states 0 & 1 . It will change from 1 state to other after 1 unit time quantum. Whenever state has 0 it will processing a shortest job for that time quantum and when state will have 1 , it will process longest job at that time.

At the time of collapse where two process have same processing time , the process with smaller arrival time will be considered for processing.

Advantages -

1. Both shortest job and longest job are favoured.
2. It is fluctuating which give chances to maximum process with faster results.
3. Response time and average waiting time is good .

Disadvantages -

1. It is very complex.
2. Processes with median processing time can starve.