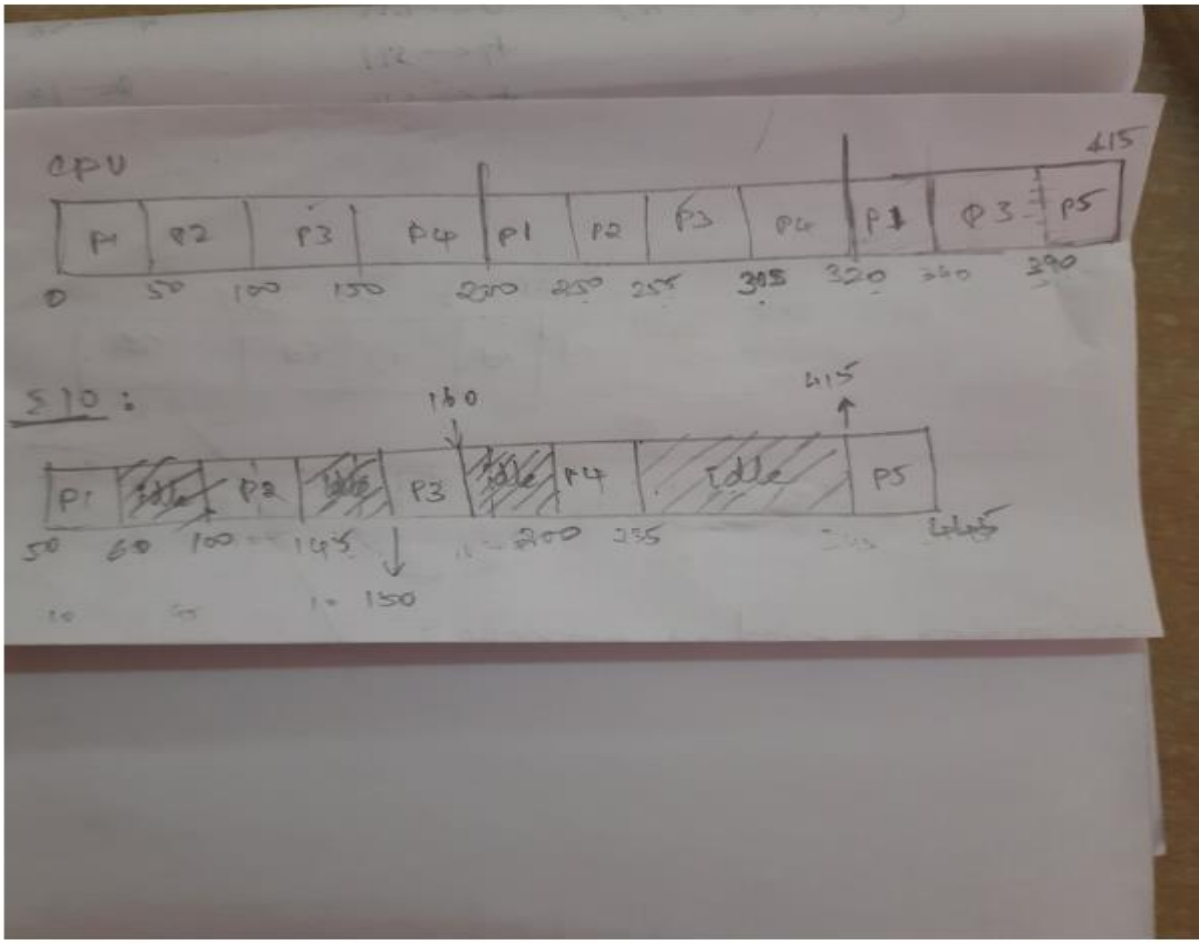
Regressive RR

Process	Arrival	CPU Burst	I/O burst	Priority
P1	0	120	10	5
P2	0	55	45	5
P3	0	150	10	5
P4	0	65	35	5
P5	320	25	30	5

The processes p1-p4 arrive at time 0. Each of the jobs, after completing their CPU bursts, go for execution to the I/O device. See the Gantt chart below. Because all the processes p1-p4 in the first cycle, have CPU burst greater than 50, they complete their bursts fully and get their priorities boosted. P1, P3 are CPU bound jobs and P2, P4 and P5 are I/O bound tasks. The job P5 comes after the second cycle of execution of P1-P4. Even though P5 is an I/O job, it is given least preference because this regressive RR gives preference to CPU bound jobs, as against the normal RR which gives preference to I/O jobs / interactive jobs.



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regressive

/rɪˈgrɛsɪv/

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adjective

1. returning to a former or less developed state; characterized by regression.
   "regressive aspects of recent local government reform"