|  |  |
| --- | --- |
| PROCESS | BURST TIME |
| P1 | 9 |
| P2 | 6 |
| P3 | 5 |
| P4 | 8 |
| P5 | 2 |

Here we are considering arrival time is equal to 0. Here we have to calculate is Average turn around time ,Average waiting time and completion time.

ANSWER:))

Case1: P5 is having least burst time so it will execute first

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P5 |  |  |  |  |

0 2

Case2: Next to p5 p3 is having least burst time so it will execute next to p5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P5 | P3 |  |  |  |

0 2 7

Case3: Next to P5 and P3 P2 is having the least burst time so it will execute next to P5&P2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P5 | P3 | P2 |  |  |

0 2 7 13

Case 4: Next to P5,P3,P2 P4 is having least burst time so it will execute next to P5,3,2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P5 | P3 | P2 | P4 |  |

0 2 7 13 21

Case 5: P1 will executed here. Hence there is no process remained over given In the table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P5 | P3 | P2 | P4 | P1 |

0 2 7 13 21 30

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PROCESS | ARRIVAL TIME | BURST TIME  (BT) | COMPLETION TIME(CT) | TAT  CT-AT | WAITING TIME(TAT-B T) |
| P5 | 0 | 2 | 2 | 2 | 0 |
| P3 | 0 | 5 | 7 | 7 | 2 |
| P2 | 0 | 6 | 13 | 13 | 7 |
| P4 | 0 | 8 | 21 | 21 | 13 |
| P1 | 0 | 9 | 30 | 30 | 21 |