|  |  |  |
| --- | --- | --- |
| Proceso | Tiempo | Prioridad |
| A | 10 | 3 |
| B | 1 | 1 |
| C | 2 | 3 |
| D | 1 | 4 |
| E | 5 | 2 |

**Ejercicio 1.** Realiza la planificación de la CPU mediante FIFO. ¿En qué tiempo llegaron? ¿En qué tiempo terminó cada proceso? ¿Cuánto tiempo tardaron en terminar?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| B | E | E | E | E | E | A | A | A | A | A | A | A | A | A | A | C | C | D |  |

Llegada Cuando finaliza Cuando acaba

|  |  |  |  |
| --- | --- | --- | --- |
| Proceso | Presentación | Tiempo de término | Tiempo de retorno |
| A | 2 | 15 | 13 |
| B | 0 | 0 | 0 |
| C | 2 | 17 | 15 |
| D | 3 | 18 | 15 |
| E | 1 | 5 | 4 |

**Ejercicio 2. SJF**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| B | E | E | E | E | E | D | C | C | A | A | A | A | A | A | A | A | A | A |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Proceso | Presentación | Tiempo de término | Tiempo de retorno |
| A | 2 | 18 | 16 |
| B | 0 | 0 | 0 |
| C | 2 | 8 | 6 |
| D | 3 | 6 | 3 |
| E | 1 | 5 | 4 |

**Ejercicio 3. Round Robin**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| B | E | A | C | E | A | C | D | E | A | E | A | E | A | A | A | A | A | A |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Proceso | Presentación | Tiempo de término | Tiempo de retorno |
| A | 2 |  |  |
| B | 0 | 0 | 0 |
| C | 2 |  |  |
| D | 3 |  |  |
| E | 1 |  |  |

**Ejercicio 4.**

Q=3

|  |  |  |
| --- | --- | --- |
| Proceso | Llegada | Duración |
| A | 0 | 5 |
| B | 4 | 2 |
| C | 1 | 7 |
| D | 2 | 1 |
| E | 3 | 8 |

1. Realiza la tabla de ejecución de los siguientes procesos **Round Robin**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| A | A | A | C | C | C | D | E | E | E | B | B | A | A | C | C | C | E | E | E |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 21 | 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C | E | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **SJF**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| A | A | D | A | B | B | A | A | C | C | C | C | C | C | C | E | E | E | E | E |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 21 | 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E | E | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **SRTF** (Short Remaining time first)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| A | A | D | A | A | A | B | B | C | C | C | C | C | C | C | E | E | E | E | E |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 21 | 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E | E | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |