**ACTIVIDAD 1**: Dada la siguiente situación en un sistema con planificación Round-robin obtén el diagrama de ocupación de la CPU, teniendo en cuenta que su quantum es 2. Añadir el tiempo de llegada.

|  |  |  |
| --- | --- | --- |
| **Proceso** | **Tiempo de llegada** | **Ciclos de CPU** |
| **A** | 1 | 8 |
| **B** | 2 | 5 |
| **C** | 3 | 4 |
| **D** | 6 | 4 |
| **E** | 4 | 7 |
| **F** | 7 | 4 |

Quantum=2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| A | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  |  |  |  | 5 | 6 |  |  |  | 7 | 8 |  |
| B |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |
| C |  |  |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  |  |  |  |  |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  |  |  |  |
| E |  |  |  |  |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  | 5 | 6 |  |  | 7 |
| F |  |  |  |  |  |  |  |  |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  | 3 | 4 |  |  |  |  |  |  |  |  |

Tiempos de llegada: A, B, C , E, D, F

**ACTIVIDAD 2:** Dada la siguiente situación en un sistema con planificación Round-robin obtén el diagrama de ocupación de la CPU, teniendo en cuenta que su quantum es 1. Añadir el tiempo de llegada.

|  |  |  |
| --- | --- | --- |
| **Proceso** | **Tiempo de llegada** | **Ciclos de CPU** |
| **A** | 0 | 3 |
| **B** | 2 | 6 |
| **C** | 4 | 4 |
| **D** | 6 | 5 |
| **E** | 8 | 2 |

Quantum=1

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

Tiempos de llegada: A, B, C, D, E