**Tablas de Desviaciones Locales**

**Task Cabeza:**

|  |  |  |
| --- | --- | --- |
| Cabeza | Periodo (ms): | 0.400 |
| Inicio Esperado (ms) | Inicio Real (ms) | Desviación (ms) |
| 0.000 | 0.018 | 0.018 |
| 0.400 | 0.400 | 0.000 |
| 0.800 | 0.800 | 0.000 |
| 1.200 | 1.200 | 0.000 |
| 1.600 | 1.600 | 0.000 |
| 2.000 | 2.000 | 0.000 |

|  |  |  |
| --- | --- | --- |
| Cabeza | Deadline (ms): | 0.1 |
| Final Máximo (ms) | Final Real (ms) | Restante (ms) |
| 0.100 | 0.034 | 0.066 |
| 0.500 | 0.417 | 0.083 |
| 0.900 | 0.817 | 0.083 |
| 1.300 | 1.217 | 0.083 |
| 1.700 | 1.617 | 0.083 |
| 2.100 | 2.017 | 0.083 |

**Task Distancia:**

|  |  |  |
| --- | --- | --- |
| Distancia | Periodo (ms): | 0.300 |
| Inicio Esperado (ms) | Inicio Real (ms) | Desviación (ms) |
| 0.000 | 0.075 | 0.075 |
| 0.300 | 0.328 | 0.028 |
| 0.600 | 0.628 | 0.028 |
| 0.900 | 0.928 | 0.028 |
| 1.200 | 1.258 | 0.058 |
| 1.500 | 1.528 | 0.028 |
| 1.800 | 1.828 | 0.028 |

|  |  |  |
| --- | --- | --- |
| Distancia | Deadline (ms): | 0.300 |
| Final Máximo (ms) | Final Real (ms) | Restante (ms) |
| 0.300 | 0.098 | 0.202 |
| 0.600 | 0.351 | 0.249 |
| 0.900 | 0.651 | 0.249 |
| 1.200 | 0.951 | 0.249 |
| 1.500 | 1.280 | 0.220 |
| 1.800 | 1.551 | 0.249 |
| 2.100 | 1.851 | 0.249 |

**Task Volante:**

|  |  |  |
| --- | --- | --- |
| Volante | Periodo (ms): | 0.350 |
| Inicio Esperado (ms) | Inicio Real (ms) | Desviación (ms) |
| 0.000 | 0.113 | 0.113 |
| 0.350 | 0.366 | 0.016 |
| 0.700 | 0.700 | 0.000 |
| 1.050 | 1.078 | 0.028 |
| 1.400 | 1.400 | 0.000 |
| 1.750 | 1.750 | 0.000 |

|  |  |  |
| --- | --- | --- |
| Volante | Deadline (ms): | 0.350 |
| Final Máximo (ms) | Final Real (ms) | Restante (ms) |
| 0.350 | 0.128 | 0.222 |
| 0.700 | 0.381 | 0.319 |
| 1.050 | 0.716 | 0.334 |
| 1.400 | 1.094 | 0.306 |
| 1.750 | 1.416 | 0.334 |
| 2.100 | 1.766 | 0.334 |

**Task Riesgos:**

|  |  |  |
| --- | --- | --- |
| Riesgos | Periodo (ms): | 0.150 |
| Inicio Esperado (ms) | Inicio Real (ms) | Desviación (ms) |
| 0.000 | 0.047 | 0.047 |
| 0.150 | 0.151 | 0.001 |
| 0.300 | 0.300 | 0.000 |
| 0.450 | 0.450 | 0.000 |
| 0.600 | 0.600 | 0.000 |
| 0.750 | 0.750 | 0.000 |
| 0.900 | 0.900 | 0.000 |
| 1.050 | 1.051 | 0.001 |
| 1.200 | 1.230 | 0.030 |
| 1.350 | 1.350 | 0.000 |
| 1.500 | 1.500 | 0.000 |
| 1.650 | 1.650 | 0.000 |
| 1.800 | 1.800 | 0.000 |
| 1.950 | 1.950 | 0.000 |

|  |  |  |
| --- | --- | --- |
| Riesgos | Deadline (ms): | 0.150 |
| Final Máximo (ms) | Final Real (ms) | Restante (ms) |
| 0.150 | 0.061 | 0.089 |
| 0.300 | 0.165 | 0.135 |
| 0.450 | 0.314 | 0.136 |
| 0.600 | 0.464 | 0.136 |
| 0.750 | 0.614 | 0.136 |
| 0.900 | 0.764 | 0.136 |
| 1.050 | 0.914 | 0.136 |
| 1.200 | 1.065 | 0.135 |
| 1.350 | 1.244 | 0.106 |
| 1.500 | 1.364 | 0.136 |
| 1.650 | 1.514 | 0.136 |
| 1.800 | 1.664 | 0.136 |
| 1.950 | 1.814 | 0.136 |
| 2.100 | 1.985 | 0.115 |

**Display:**

|  |  |  |
| --- | --- | --- |
| Display | Periodo (ms): | 1.000 |
| Inicio Esperado (ms) | Inicio Real (ms) | Desviación (ms) |
| 0.000 | 0.142 | 0.142 |
| 1.000 | 1.026 | 0.026 |
| 2.000 | 2.030 | 0.030 |

|  |  |  |
| --- | --- | --- |
| Display | Deadline (ms): | 1.000 |
| Final Máximo (ms) | Final Real (ms) | Restante (ms) |
| 1.000 | 0.239 | 0.761 |
| 2.000 | 1.153 | 0.847 |
| 3.000 | 2.196 | 0.804 |

**Tabla de Expulsiones**

|  |  |  |
| --- | --- | --- |
| Expulsiones |  |  |
| Proceso Expulsado (prioridad) | Proceso Expulsor (prioridad) | Instante Expulsado (ms) |
| Display (10) | Riesgos (40) | 0.151 |
| Display (10) | Riesgos (40) | 1.051 |
| Display (10) | Volante (20) | 1.078 |

**Salida del Programa**

[ 0.005445300] >>> Modo

[ 0.017702000] >>> Cabeza

[ 0.034143400] --- Cabeza

[ 0.047424000] >>> Riesgos

[ 0.061248300] --- Riesgos

[ 0.075072500] >>> Distancia

[ 0.097814100] --- Distancia

[ 0.112630800] >>> Volante

[ 0.127910800] --- Volante

[ 0.141704100] >>

[ 0.150919800] >>> Riesgos

[ 0.164743800] --- Riesgos> Display

Modo: M1

Distancia: 90

Velocidad: 60

Sintomas:

Cabeza: OK

Distancia: SEGURA

Volante: OK

[ 0.239496100] --- Display

[ 0.253319900] >>> Programa Principal

[ 0.272776400] --- Programa Principal

[ 0.300404700] >>> Riesgos

[ 0.314197900] --- Riesgos

[ 0.328021500] >>> Distancia

[ 0.350959500] --- Distancia

[ 0.365776200] >>> Volante

[ 0.381057100] --- Volante

[ 0.400384100] >>> Cabeza

[ 0.416796800] --- Cabeza

[ 0.450383900] >>> Riesgos

[ 0.464177400] --- Riesgos

[ 0.501092800] --- Modo

[ 0.513349700] >>> Modo

[ 0.600393900] >>> Riesgos

[ 0.614186700] --- Riesgos

[ 0.628011300] >>> Distancia

[ 0.650750100] --- Distancia

[ 0.700383900] >>> Volante

[ 0.715633700] --- Volante

[ 0.750383900] >>> Riesgos

[ 0.764176500] --- Riesgos

[ 0.800383900] >>> Cabeza

[ 0.816799300] --- Cabeza

[ 0.900318100] >>> Riesgos

[ 0.914111400] --- Riesgos

[ 0.927934700] >>> Distancia

[ 0.950678700] --- Distancia

[ 1.001197900] --- Modo

[ 1.013454800] >>> Modo

[ 1.025742800] >>> Display

Modo: M3

Distancia:

[ 1.050830500] >>> Riesgos

[ 1.064655300] --- Riesgos

[ 1.078478600] >>> Volante

[ 1.093761200] --- Volante 80

Velocidad: 80

Sintomas:

Cabeza: OK

Distancia: SEGURA

Volante: OK

[ 1.152610400] --- Display

[ 1.200404700] >>> Cabeza

[ 1.216820900] --- Cabeza

[ 1.230102100] >>> Riesgos

[ 1.243925800] --- Riesgos

[ 1.257750400] >>> Distancia

[ 1.280494800] --- Distancia

[ 1.350396700] >>> Riesgos

[ 1.364189300] --- Riesgos

[ 1.400383900] >>> Volante

[ 1.415634700] --- Volante

[ 1.500393900] >>> Riesgos

[ 1.514186500] --- Riesgos

[ 1.528011300] >>> Distancia

[ 1.550753900] --- Distancia

[ 1.600383900] >>> Cabeza

[ 1.616799900] --- Cabeza

[ 1.650383900] >>> Riesgos

[ 1.664177200] --- Riesgos

[ 1.701019500] --- Modo

[ 1.713276400] >>> Modo

[ 1.750383900] >>> Volante

[ 1.765635500] --- Volante

[ 1.800318100] >>> Riesgos

[ 1.814111000] --- Riesgos

[ 1.827935400] >>> Distancia

[ 1.850678900] --- Distancia

[ 1.950320800] >>> Riesgos

[ 1.964239000] ............Light: ^ON^

[ 1.984649200] --- Riesgos