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|  |  |  |
| --- | --- | --- |
| Inspection cost | 5362 | |
| Downtime cost | 2727 | |
|  | Tire system | Hydraulics system |
| Preventative maintenance cost | 169 | 394 |
| Corrective maintenance cost | 296 | 775 |

In-house data for tire:

One\_cycle\_tran = [197, 20, 12;

0, 72, 12;

0, 0, 0];

Two\_cycle\_tran = [3, 1, 0;

0, 1, 2;

0, 0, 0];

Three\_cycle\_tran = [18, 0, 0;

0, 1, 3;

0, 0, 0];

In-house data for hydraulics system:

One\_cycle\_tran = [197, 88, 12;

0, 72, 22;

0, 0, 0];

Two\_cycle\_tran = [3, 1, 0;

0, 1, 2;

0, 0, 0];

Three\_cycle\_tran = [18, 0, 0;

0, 1, 3;

0, 0, 0];

Final decisions:

|  |  |  |
| --- | --- | --- |
| Conditions | Inspection | Maintenance |
| 0,0 | 7 | 0,0 |
| 0,1 | 7 | 0,1 |
| 0,2 | 7 | 0,1 |
| 1,0 | 7 | 1,0 |
| 1,1 | 7 | 1,1 |
| 1,2 | 7 | 1,1 |
| 2,0 | 7 | 1,0 |
| 2,1 | 7 | 1,1 |
| 2,2 | 7 | 1,1 |