|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Switches | Flipped | Value | Plan | Description |
| 1 | 0 | 1 | 1 | do nothing |
| 2 | 1 | 2 | 2 | snatch one bin from step |
| 3 | 2 | 4 | 3 | snatch two bins from step |
| 4 | 3 / 1 + 2 | 8 | 4 | snatch three bins from step |
|  | 4 / 1 + 3 | 16 | 5 | snatch four bins from step |
|  | 1 + 4 / 2 + 3 | 32 | 6 | snatch middle two bins |
|  | 2 + 4 / 1+ 2 + 3 | 64 | 7 | start with claw raised between a tote and the driver station, drive forward to auto zone |
|  | 3 + 4 / 1 + 2 + 4 | 128 | 8 | grab one recycling container from staging, drive backwards to auto |
|  | 1 + 3 + 4 | 256 | 9 | snatch one bin and one tote from staging, drive to auto |
|  | 2 + 3 + 4 | 512 | 10 | do nothing |
|  | 1 + 2 +3 + 4 | 1024 | 11 | do nothing |