|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of Shifts | A | A | A | B | A | A | B | A | B | Comparisons | Best case  (1 comparison per shift and No valid Shifts) | Worst Case |
| A | A | B |  |  |  |  |  |  |
| Shift 0 | A | A | B |  |  |  |  |  |  | 3 | 1 | 3 |
| Shift 1 |  | A | A | B |  |  |  |  |  | 3 | 1 | 3 |
| Shift 2 |  |  | A | A | B |  |  |  |  | 2 | 1 | 3 |
| Shift 3 |  |  |  | A | A | B |  |  |  | 1 | 1 | 3 |
| Shift 4 |  |  |  |  | A | A | B |  |  | 3 | 1 | 3 |
| Shift 5 |  |  |  |  |  | A | A | B |  | 2 | 1 | 3 |
| Shift 6 |  |  |  |  |  |  | A | A | B | 1 | 1 | 3 |
| Total number of Comparisons | | | | | | | | | | 15 | 1\*7 | 3\*7 |