Given:

4 HDD with …..Read/Write = 60 ms & Seek = 5 ms

Job: R9 W9 W10 W11 R13 R18 R19 R20 R21

RAID 0

|  |  |  |
| --- | --- | --- |
|  | SEEK | R/W |
| R9 | 5 | 60 |
| W9 | 5 | 60 |
| W10 | PARA | 0 |
| W11 | PARA | 0 |
| R13 | 5 | 60 |
| R18 | PARA | 0 |
| R19 | PARA | 0 |
| R20 | PARA | 0 |
| R21 | 5 | 60 |

Total runtime = seek + r/w

RAID 1

|  |  |  |
| --- | --- | --- |
|  | SEEK | R/W |
| R9 | 5 | 60 |
| W9 | 5 | 60 |
| W10 | 0 – next in line. (like a single HDD) | 60 |
| W11 | 0 – next in line. (like a single HDD) | 60 |
| R13 | 5 | 60 |
| R18 | PARA | 0 |
| R19 | PARA | 0 |
| R20 | PARA | 0 |
| R21 | 5 – Though next in line assume costs as any further R will cost. | 60 |

RAID 01

|  |  |  |
| --- | --- | --- |
|  | SEEK | R/W |
| R9 | 5 | 60 |
| W9 | 5 | 60 |
| W10 | 0 – next in line. (like a single HDD) | 60 |
| W11 | 0 – next in line. (like a single HDD) | 60 |
| R13 | 5 | 60 |
| R18 | PARA | 0 |
| R19 | 5 | 60 |
| R20 | PARA | 0 |
| R21 | 5 – Though next in line assume costs as any further R will cost. | 60 |