Given Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Flow Time | | Lateness | |
| Job Code | Processing Time | Due Date | Start (In) | Finish (Out) | Earliness | Tardiness |
| J1 | 10 | 35 |  |  |  |  |
| J2 | 24 | 25 |  |  |  |  |
| J3 | 9 | 30 |  |  |  |  |
| j4 | 6 | 40 |  |  |  |  |
| J5 | 12 | 20 |  |  |  |  |
| J6 | 17 | 30 |  |  |  |  |

Sorted via EDD

EDD Séquence

J5>J2>J3>J6>J1>J4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Flow Time | | Lateness | |
| Job Code | Processing Time | Due Date | Start (In) | Finish (Out) | Earliness | Tardiness |
| J5 | 12 | 20 | 0 | 12 | -8 |  |
| J2 | 24 | 25 | 12 | 12+24 = 36 |  | 11 |
| J3 | 9 | 30 | 36 | 36+9 = 45 |  | 15 |
| J6 | 17 | 30 | 45 | 45+17 = 62 |  | 32 |
| J1 | 10 | 35 | 62 | 62+10 = 72 |  | 37 |
| J4 | 6 | 40 | 72 | 72+6 = 78 |  | 38 |

Max Span is 78

Finish - Due Date

* Positive => Tardiness
* Negative => Earliness

Average flowtime = = =50.83

Average No# jobs in System = Total Flow Time/Max time span = 305/78=3.91

Average Lateness/Tardiness= total Tardiness days / No# days = =133/6 = 101.33