α)

|  |  |  |  |
| --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΦΙΞΗΣ | ΔΙΑΡΚΕΙΑ ΕΚΤΕΛΕΣΗΣ | PID |
| Α | 0 | 6 | 3 |
| Β | 2 | 4 | 1 |
| Γ | 3 | 1 | 2 |
| Δ | 4 | 3 | 5 |
| Ε | 5 | 4 | 4 |
| Ζ | 6 | 7 | 1 |

FCFS:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Α | Α | Α | Α | Α | Α | B | B | B | B | Γ | Δ | Δ | Δ | Ε | Ε | Ε | Ε | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΝΑΜΟΝΗΣ | ΧΡΟΝΟΣ ΑΠΟΚΡΙΣΗΣ | ΧΡΟΝΟΣ ΟΛΟΚΛΗΡΩΣΗΣ | ΘΕΜΑΤΙΚΕΣ ΑΛΛΑΓΕΣ |
| Α | 0 | 0 | 6 | 1 |
| Β | 4 | 4 | 8 | 1 |
| Γ | 7 | 7 | 8 | 1 |
| Δ | 7 | 7 | 10 | 1 |
| Ε | 9 | 9 | 13 | 1 |
| Ζ | 12 | 12 | 19 | 1 |
| ΜΕΣΟΣ ΟΡΟΣ | 39/6=6.5 | 39/6=6.5 | 64/6=10.67 | 1 |

SJF:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A:6 |  | B:4  A:4 | Γ:1  B:4  A:3 | Δ:3  Γ:1  B:4  A:2 | Ε:4  Δ:3  Γ:1  B:4  A:1 | Ζ:7 Ε:4  Δ:3  Γ:1  B:4 | Ζ:7 Ε:4  Δ:3  B:4 |  | Ζ:7 Ε:4  B:4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Α | Α | Α | A | Α | Α | Γ | Δ | Δ | Δ | B | B | B | B | Ε | Ε | Ε | Ε | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΝΑΜΟΝΗΣ | ΧΡΟΝΟΣ ΑΠΟΚΡΙΣΗΣ | ΧΡΟΝΟΣ ΟΛΟΚΛΗΡΩΣΗΣ | ΘΕΜΑΤΙΚΕΣ ΑΛΛΑΓΕΣ |
| Α | 0 | 0 | 6 | 1 |
| Β | 10 | 10 | 12 | 1 |
| Γ | 3 | 3 | 4 | 1 |
| Δ | 3 | 3 | 6 | 1 |
| Ε | 9 | 9 | 13 | 1 |
| Ζ | 12 | 12 | 19 | 1 |
| ΜΕΣΟΣ ΟΡΟΣ | 37/6=6.17 | 37/6=6.17 | 60/6=10 | 1 |

SRTF:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A:6 |  | B:4  A:4 | Γ:1  B:4  A:3 | Δ:3  B:4  A:3 | Ε:4  Δ:3  B:4  A:2 | Ζ:7  Ε:4  Δ:3  B:4  A:1 | Ζ:7 Ε:4  Δ:3  B:4 |  | Ζ:7 Ε:4  B:4 |  |  |  |  | Ζ:7 Ε:4 |  |  |  | Ζ:7 |  |  |  |  |  |  |
| Α | Α | Α | Γ | Α | Α | Α | Δ | Δ | Δ | B | B | B | B | Ε | Ε | Ε | Ε | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ | Ζ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΝΑΜΟΝΗΣ | ΧΡΟΝΟΣ ΑΠΟΚΡΙΣΗΣ | ΧΡΟΝΟΣ ΟΛΟΚΛΗΡΩΣΗΣ | ΘΕΜΑΤΙΚΕΣ ΑΛΛΑΓΕΣ |
| Α | 1 | 0 | 7 | 2 |
| Β | 8 | 8 | 12 | 1 |
| Γ | 0 | 0 | 1 | 1 |
| Δ | 3 | 3 | 6 | 1 |
| Ε | 9 | 9 | 13 | 1 |
| Ζ | 12 | 12 | 19 | 1 |
| ΜΕΣΟΣ ΟΡΟΣ | 33/6=5.5 | 32/6= 5.34 | 58/6=9.67 | 7/6=1.17 |

RR:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A:6 |  | A:4  B:4 | Γ:1  A:4  B:3 | B:2  Δ:3  Γ:1  A:4 | Ε:4  B:2  Δ:3  Γ:1  A:3 | A:2  Ζ:7 Ε:4  B:2  Δ:3  Γ:1 | A:2  Ζ:7 Ε:4  B:2  Δ:3 |  | Δ:1  A:2  Ζ:7 Ε:4  B:2 |  | Δ:1  A:2  Ζ:7 Ε:4 |  | Ε:2  Δ:1  A:2  Ζ:7 |  | Ζ:5  Ε:2  Δ:1  A:2 |  | Ζ:5  Ε:2  Δ:1 | Ζ:5  Ε:2 |  |  |  |  |  |  |
| Α | Α | B | B | Α | Α | Γ | Δ | Δ | B | B | Ε | Ε | Ζ | Ζ | A | A | Δ | Ε | Ε | Ζ | Ζ | Ζ | Ζ | Ζ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΝΑΜΟΝΗΣ | ΧΡΟΝΟΣ ΑΠΟΚΡΙΣΗΣ | ΧΡΟΝΟΣ ΟΛΟΚΛΗΡΩΣΗΣ | ΘΕΜΑΤΙΚΕΣ ΑΛΛΑΓΕΣ |
| Α | 11 | 0 | 17 | 3 |
| Β | 5 | 0 | 9 | 2 |
| Γ | 3 | 3 | 4 | 1 |
| Δ | 11 | 3 | 14 | 2 |
| Ε | 11 | 6 | 15 | 2 |
| Ζ | 12 | 7 | 19 | 2 |
| ΜΕΣΟΣ ΟΡΟΣ | 53/6=8.84 | 19/6=3.17 | 78/6=13 | 12/6=2 |

γ)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Α:6 |  | B:4  Α:4 | Γ:1  B:3  Α:4 | Δ:3  Γ:1  B:3  Α:3 | Ε:4  Δ:3  Γ:1  B:2  Α:3 | Ζ:7  Ε:3  Δ:3  Γ:1  B:2  Α:3 |  |  |  | Ζ:3  Ε:3  Δ:3  Γ:1  B:2  Α:3 | Ζ:2  Ε:3  Δ:3  Γ:1  B:2  Α:3 | Ζ:2  Ε:3  Δ:3  Γ:1  B:2  Α:2 | Ζ:2  Ε:2  Δ:3  Γ:1  B:2  Α:2 | Ζ:2  Ε:2  Δ:2  Γ:1  B:2  Α:2 | Ζ:2  Ε:2  Δ:2  Γ:1  B:1  Α:2 | Ζ:1  Ε:2  Δ:2  Γ:1  B:1  Α:2 | Ζ:1  Ε:2  Δ:2  Γ:1  B:1  Α:1 | Ζ:1  Ε:1  Δ:2  Γ:1  B:1  Α:1 | Ζ:1  Ε:1  Δ:1  Γ:1  B:1  Α:1 | Ζ:1  Ε:1  Δ:1  Γ:1  Α:1 | Ε:1  Δ:1  Γ:1  Α:1 | Ε:1  Δ:1  Α:1 | Ε:1  Δ:1 | Δ:1 |
| Α | Α | B | Α | B | Ε | Ζ | Ζ | Ζ | Ζ | Ζ | Α | Ε | Δ | B | Ζ | Α | Ε | Δ | B | Ζ | Γ | Α | Ε | Δ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ΔΙΕΡΓΑΣΙΑ | ΧΡΟΝΟΣ ΑΝΑΜΟΝΗΣ | ΧΡΟΝΟΣ ΑΠΟΚΡΙΣΗΣ | ΧΡΟΝΟΣ ΟΛΟΚΛΗΡΩΣΗΣ | ΘΕΜΑΤΙΚΕΣ ΑΛΛΑΓΕΣ |
| Α | 17 | 0 | 23 | 5 |
| Β | 14 | 0 | 18 | 4 |
| Γ | 18 | 18 | 19 | 1 |
| Δ | 18 | 9 | 21 | 3 |
| Ε | 14 | 0 | 19 | 4 |
| Ζ | 8 | 0 | 15 | 3 |
| ΜΕΣΟΣ ΟΡΟΣ | 89/6=14.8 | 27/6=4.5 | 115/6=19.1 | 20/6=3.33 |