

| #tasks \ | config | root gap | time 1 st sol | gap 1 st sol | time end | gap end | %opt | %solv. | #node | #cut |
|----------|----------------|----------|--------------------------|-------------------------|----------|---------|------|--------|--------|------|
| 20 | Def. | 35.62 | 33.09 | 25.42 | 579.73 | 18.38 | 45 | 95 | 123713 | 0 |
| | Int. | 34.99 | 31.48 | 37.82 | 613.30 | 17.89 | 40 | 90 | 168822 | 0 |
| | Time | 38.48 | 43.65 | 25.51 | 589.42 | 19.43 | 45 | 95 | 178517 | 0 |
| | KS | 44.54 | 20.60 | 22.66 | 564.23 | 22.66 | 45 | 95 | 190268 | 0 |
| | <u>Preemp.</u> | 33.56 | 37.55 | 31.57 | 574.30 | 17.11 | 45 | 95 | 152201 | 247 |
| | I & T & K | 45.19 | 20.89 | 18.10 | 565.23 | 23.00 | 45 | 95 | 208537 | 0 |
| | I & T & P | 37.09 | 43.54 | 40.74 | 582.12 | 18.78 | 45 | 90 | 162249 | 277 |
| | I & K & P | 44.45 | 25.11 | 23.71 | 569.43 | 22.64 | 45 | 95 | 206845 | 202 |
| | T & K & P | 47.10 | 44.00 | 17.03 | 630.55 | 23.93 | 40 | 90 | 235307 | 236 |
| | I & T & K & P | 44.79 | 29.57 | 18.04 | 574.10 | 22.76 | 45 | 95 | 211144 | 244 |
| 25 | Def. | 55.62 | 186.38 | 42.84 | 698.61 | 28.20 | 44 | 94 | 59779 | 0 |
| | Int. | 63.42 | 187.61 | 33.16 | 778.34 | 32.23 | 33 | 83 | 46134 | 0 |
| | Time | 68.01 | 156.74 | 28.40 | 778.93 | 34.47 | 33 | 83 | 89824 | 0 |
| | KS | 65.76 | 114.37 | 30.36 | 702.07 | 33.06 | 38 | 88 | 75900 | 0 |
| | <u>Preemp.</u> | 58.00 | 276.01 | 35.41 | 770.86 | 29.42 | 38 | 88 | 44412 | 198 |
| | I & T & K | 65.52 | 84.62 | 33.22 | 686.53 | 33.26 | 38 | 88 | 93059 | 0 |
| | I & T & P | 69.67 | 151.02 | 29.76 | 769.89 | 35.27 | 33 | 83 | 75795 | 160 |
| | I & K & P | 61.95 | 145.74 | 21.17 | 687.24 | 31.46 | 44 | 94 | 51206 | 295 |
| | T & K & P | 63.77 | 99.97 | 29.55 | 691.30 | 32.21 | 44 | 94 | 81550 | 185 |
| | I & T & K & P | 80.55 | 66.94 | 39.81 | 823.33 | 40.76 | 22 | 72 | 108253 | 184 |
| 30 | Def. | 73.90 | 365.84 | 40.01 | 924.25 | 37.35 | 20 | 70 | 28265 | 0 |
| | Int. | 82.45 | 333.27 | 34.31 | 963.55 | 41.61 | 10 | 55 | 23979 | 0 |
| | Time | 66.68 | 261.47 | 21.56 | 864.71 | 33.59 | 25 | 75 | 32832 | 0 |
| | KS | 95.25 | 208.77 | 20.54 | 964.88 | 47.83 | 10 | 65 | 32631 | 0 |
| | <u>Preemp.</u> | 71.68 | 399.27 | 44.22 | 922.10 | 36.20 | 15 | 60 | 28798 | 202 |
| | I & T & K | 77.64 | 164.24 | 27.12 | 861.13 | 39.10 | 20 | 75 | 37812 | 0 |
| | I & T & P | 81.71 | 289.18 | 27.47 | 944.37 | 41.11 | 20 | 70 | 41396 | 150 |
| | I & K & P | 85.41 | 286.60 | 23.45 | 925.74 | 43.11 | 20 | 70 | 17784 | 171 |
| | T & K & P | 70.85 | 222.34 | 27.45 | 815.14 | 35.68 | 35 | 85 | 41903 | 187 |
| | I & T & K & P | 79.60 | 227.58 | 28.57 | 903.12 | 40.11 | 25 | 75 | 41642 | 163 |