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| --- | --- | --- | --- | --- | --- | --- |
| Benchmark data | Known best solution | | Scheme 1  Largest Degree + Kempe + Pairswap | | | |
| Timeslots | Penalty | | |
| Timeslots | penalty | After Largest degree | After Kempe | After pairswap |
| CARF92 | 32 | 3.74 | 32 | 10.615 | 5.833 |  |
| CARS91 | 35 | 4.42 | 35 | 11.495 | 7.300 |  |
| KFU93 | 20 | 12.96 | 20 | 46.516 | 17.604 |  |
| TRE92 | 23 | 7.75 | 23 | 15.900 | 10.413 |  |
| YOR83 | 21 | 34.84 | 23 | 64.688 | 38.802 |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Benchmark data | Known best solution | | Scheme 2  Largest Saturation + Kempe + Pairswap | | | |
| Timeslots | Penalty | | |
| Timeslots | penalty | After Largest Saturation | After Kempe | After pairswap |
| CARF92 | 32 | 3.74 | 31 | 9.801 | 5.922 |  |
| CARS91 | 35 | 4.42 | 30 | 12.008 | 8.402 |  |
| KFU93 | 20 | 12.96 | 21 | 37.614 | 6.682 |  |
| TRE92 | 23 | 7.75 | 21 | 15.897 | 12.382 |  |
| YOR83 | 21 | 34.84 | 23 | 65.208 | 36.797 |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Benchmark data | Known best solution | | Scheme 3  Largest Enrollment + Kempe + Pairswap | | | |
| Timeslots | Penalty | | |
| Timeslots | penalty | After Largest Enrollment | After Kempe | After pairswap |
| CARF92 | 32 | 3.74 | 35 | 10.696 | 5.565 |  |
| CARS91 | 35 | 4.42 | 36 | 13.781 | 7.042 |  |
| KFU93 | 20 | 12.96 | 21 | 54.512 | 16.918 |  |
| TRE92 | 23 | 7.75 | 22 | 16.329 | 11.093 |  |
| YOR83 | 21 | 34.84 | 25 | 63.271 | 33.834 |  |

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| Benchmark data | Known best solution | | Scheme 4  Random + Kempe + Pairswap | | | |
| Timeslots | Penalty | | |
| Timeslots | penalty | After Random | After Kempe | After pairswap |
| CARF92 | 32 | 3.74 | 44 | 8.129 | 3.959 |  |
| CARS91 | 35 | 4.42 | 48 | 9.773 | 4.965 |  |
| KFU93 | 20 | 12.96 | 25 | 33.317 | 14.476 |  |
| TRE92 | 23 | 7.75 | 29 | 13.075 | 7.897 |  |
| YOR83 | 21 | 34.84 | 27 | 47.924 | 30.421 |  |