

| Input  | Optimal  |         | My Scheme1 - (Largest Degree) |               |                     |
|--------|----------|---------|-------------------------------|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                      | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 32                            | 9.47          | 10.61               |
| CAR 91 | 35       | 4.42    | 34                            | 10.46         | 11.49               |
| KFU 93 | 20       | 12.96   | 20                            | 36.65         | 46.51               |
| TRE 92 | 23       | 7.75    | 23                            | 14.13         | 15.9                |
| YOR 83 | 21       | 34.84   | 23                            | 49.82         | 64.68               |

| Input  | Optimal  |         | My Scheme2 - (Largest Degree<br>+ Kempe Chain) |               |                     |
|--------|----------|---------|--|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                                       | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 32   | 5.11          | 5.29                |
| CAR 91 | 35       | 4.42    | 34   | 6.19          | 6.75                |
| KFU 93 | 20       | 12.96   | 20   | 13.26         | 17.07               |
| TRE 92 | 23       | 7.75    | 23   | 8.78          | 9.60                |
| YOR 83 | 21       | 34.84   | 23   | 29.01         | 36.88               |

| Input  | Optimal  |         | My Scheme3- (Largest Degree<br>+Pair Swap) |               |                     |
|--------|----------|---------|--|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                                   | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 32   | 7.11          | 8.02                |
| CAR 91 | 35       | 4.42    | 34   | 9.24          | 9.79                |
| KFU 93 | 20       | 12.96   | 20   | 21.12         | 25.00               |
| TRE 92 | 23       | 7.75    | 23   | 12.11         | 13.21               |
| YOR 83 | 21       | 34.84   | 23   | 44.87         | 57.06               |

| Input  | Optimal  |         | My Scheme4- (Largest Degree +SWO) |               |                     |
|--------|----------|---------|-----------------------------------|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                          | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 31                                | 8.64          | 9.42                |
| CAR 91 | 35       | 4.42    | 33                                | 9.94          | 10.85               |
| KFU 93 | 20       | 12.96   | 20                                | 36.23         | 45.82               |
| TRE 92 | 23       | 7.75    | 22                                | 14.12         | 15.89               |
| YOR 83 | 21       | 34.84   | 23                                | 47.11         | 59.64               |

| Input  | Optimal  |         | My Scheme5 - (DSatur) |               |                     |
|--------|----------|---------|-----------------------|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot              | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 30                    | 8.96          | 9.93                |
| CAR 91 | 35       | 4.42    | 31                    | 11.19         | 12.44               |
| KFU 93 | 20       | 12.96   | 19                    | 36.67         | 46.70               |
| TRE 92 | 23       | 7.75    | 23                    | 13.9          | 15.65               |
| YOR 83 | 21       | 34.84   | 20                    | 48.72         | 61.65               |

| Input  | Optimal  |         | My Scheme6 - (DSatur + Kempe Chain) |               |                     |
|--------|----------|---------|-------------------------------------|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                            | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 30                                  | 5.58          | 5.67                |
| CAR 91 | 35       | 4.42    | 31                                  | 7.05          | 7.52                |
| KFU 93 | 20       | 12.96   | 19                                  | 16.3          | 17.74               |
| TRE 92 | 23       | 7.75    | 23                                  | 9.36          | 9.91                |
| YOR 83 | 21       | 34.84   | 20                                  | 38.99         | 46.42               |

| Input  | Optimal  |         | My Scheme7- (DSatur + Pair Swap) |               |                     |
|--------|----------|---------|----------------------------------|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                         | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 30                               | 8.59          | 9.15                |
| CAR 91 | 35       | 4.42    | 31                               | 10.58         | 11.30               |
| KFU 93 | 20       | 12.96   | 19                               | 26.68         | 29.91               |
| TRE 92 | 23       | 7.75    | 23                               | 13.17         | 14.76               |
| YOR 83 | 21       | 34.84   | 20                               | 45.74         | 57.68               |

| Input  | Optimal  |         | My Scheme8- (DSatur +Kempe Chain + Pair Swap) |               |                     |
|--------|----------|---------|---|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot                                      | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 30  | 4.90          | 5.09                |
| CAR 91 | 35       | 4.42    | 31  | 6.522         | 7.01                |
| KFU 93 | 20       | 12.96   | 19  | 14.94         | 16.28               |
| TRE 92 | 23       | 7.75    | 23  | 8.67          | 9.18                |
| YOR 83 | 21       | 34.84   | 20  | 37.98         | 44.74               |



| Input  | Optimal  |         | My Scheme9- (Largest Degree<br>+Kempe Chain +SWO) |               |                     |
|--------|----------|---------|---|---------------|---------------------|
|        | Timeslot | Penalty | Timeslot  | Penalty(Cons) | Penalty (All pairs) |
| CAR 92 | 32       | 3.74    | 32  | 7.40          | 7.98                |
| CAR 91 | 35       | 4.42    | 34  | 8.89          | 9.67                |
| KFU 93 | 20       | 12.96   | 20  | 26.99         | 31.96               |
| TRE 92 | 23       | 7.75    | 23  | 11.94         | 13.11               |
| YOR 83 | 21       | 34.84   | 21  | 43.33         | 53.73               |