## Team racing rotations and boat pairings The basic "final-four" boat rotation and pairings

In team racing championship rotations the boats carry an identifying characteristic (usually a shroud flag or pennant). One designated group of boats always races against a second designated group (for example, boats displaying white pennants always race against the boats displaying green pennants, red against blue, yellow against black, etc.). The teams in the boats usually change after every race. Ideally, each team sails each boat an equal number of times, although is not always possible unless a double round-robin is sailed. A shorthand method of referring to the rotations is by number of competing teams and number of boats used. For example, a 5 -team, 6 -boat rotation is referred to as " $5 \times 6$ "; an 11-team, 24boat rotation is referred to as " $11 \times 24$ ".

The system assumes that the boats are equal, so equalization is very important. "Fairness" is then furthered by designing the boat rotations and pairings in advance, and having the teams draw lots for their positions in the rotation. The championship rotations were originally written for the US SAILING Team Racing Championship (Hinman Trophy) by Mrs. Rich Treacy in 1987 for the $5 \times 6$ through $8 \times 6$, and $5 \times 12$ through 11x12. They have since been expanded for 18 and 24 boat rotations.

The basic team racing direct swap is shown in Table 5.21, in which four teams meet in a "double round-robin." The groups of boats (3 per group) are identified by four colored pennants-red, blue, green and white, although they can be any colors.

TABLE 5.21

| Team Race Round Robin 4 Teams, 12 Boats, 4 Colors 12 Races\{ Double Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | 1 | white green | 7 | 4 | white green |
|  | 4 |  |  | 1 |  |
| 2 | 2 | red <br> blue | 8 | 3 | red blue |
|  | 3 |  |  | 2 |  |
| 3 | 1 | white green | 9 | 3 | white green |
|  | 3 |  |  | 1 |  |
| 4 | 2 | red blue | 10 | 4 | red blue |
|  | 4 |  |  | 2 |  |
| 5 | 1 | white green | 11 | 2 | white green |
|  | 2 |  |  | 1 |  |
| 6 | 3 | red <br> blue | 12 | 4 | red blue |
|  | 4 |  |  | 3 |  |

Running team races with limited numbers of boats
You can, however, run a team racing series with fewer than enough boats for all members of each team. In other words, 12 boats ( 4 groups, 3 boats each) will accommodate 4 teams. But if there are not enough boats, some of the teams may race while others stand by. The teams then exchange boats with the next teams to race.

Tables $5.22,5.23,5.25,5.27$ and 5.29 show rotations for round robins of races for 6 or 12 boats, for 5 through 9 teams, respectively.

## A "limited rotation" variation on the "follow the leader" method

Where there are not enough boats to accommodate all of the competing teams, a "limited rotation" can also be used. For example, if ten teams are competing, but there are only enough boats for 6 teams, (18 boats), Ken Legler of Tufts University suggests the following round-robin format:

Six teams (A through F) sail the first three races. Upon finishing, teams $A$ and $B$ sail in to exchange with teams $G$ and $H$, while teams $C$ through $F$ become the first two starts of the second round. Teams G and H become the third start of round 2. This pattern continues with teams staying on the water for either four or two straight races against other teams without exchanging boats, until it is their turn to go ashore and rotate out. Using this method, it is possible to complete all 45 races of a ten-team round-robin (see formula on page 5.27 ) in one day.

## Pairings and rotations for round-robins

You may use the following Tables in lieu of designing a round-robin rotation. Each may be used by itself or in combination with other formats, such as a "best-of-three" final, a "final-four" round-robin, etc. (see "Suggested Formats" Section 3.4 above). As mentioned above, do not start with a rotation which is too ambitious. Seventy-eight races in a two day event is a realistic goal if your personnel expediting boat exchanges are experienced, and the race course is not far from the boat exchange location.
The Round-Robin Tables which follow are:

| TABLE NO. | NO. OF TEAMS | NO. OF BOATS |
| :---: | :---: | :---: |
| 5.22 | 5 | 12 (or 6) |
| 5.23 | 6 | 12 (or 6) |
| 5.24 | 7 | 12 |
| 5.25 | 7 | 12 (or 6) |
|  |  |  |
| TABLE NO. | NO. OF TEAMS | NO. OF BOATS |
| 5.26 | 7 | 18 |
| 5.27 | 8 | 12 (or 6) |
| 5.28 | 8 | 18 |
| 5.29 | 8 | 24 |
| 5.30 | 9 | 12 |
| 5.31 | 9 | 18 |
| 5.32 | 9 | 24 |
| 5.33 | 10 | 18 |
| 5.34 | 10 | 24 |
| 5.35 | 11 | 18 |
| 5.36 | 11 | 24 |
| 5.37 | 12 | 18 |
| 5.38 | 12 | 24 |

In each of the Tables, only a single round-robin is shown. A double round-robin is a repeat of the first round. For double round-robins, you may want to reverse the boat assignments so that at their next meeting in round 2 , the competitors are sailing the boats their opponents sailed in round 1.

The comments after Tables $5.22,5.23,5.25$ and 5.27 include suggestions how to change the Table if you are using only 6 boats. Although they are adaptable to either four groups ( 12 boats) or two ( 6 boats), eight teams is effectively the practical limit for using 6 boats, because the teams must wait so long between races.

TABLE 5.22

| Team Race Round Robin 5 Teams, 12 (or 6) Boats, 4 Colors 10 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | 1 | white | 6 | 1 | red |
|  | 5 | green |  | 3 | blue |
| 2 | 1 | red | 7 | 2 | white |
|  | 4 | blue |  | 5 | green |
| 3 | 2 | white | 8 | 3 | red |
|  | 3 | green |  | 4 | blue |
| 4 | 1 | red | 9 | 1 | white |
|  | 5 | blue |  | 2 | green |
| 5 | 2 | white | 10 | 4 | red |
|  | 4 | green |  | 5 | blue |

Comments to Table 5.22:

1. For a double round-robin, repeat the same format for the second round. Time permitting, add a "best-ofthree" final (see "Suggested Formats").
2. Where you have only 6 boats, the pairing is the same, but only two colors are used (for example, white and green). Instead of starting race 2 immediately after race 1 , the teams must exchange boats after each race with the next teams to start.

TABLE 5.23

| Team Race Round Robin 6 Teams, 12 (or 6) Boats, 4 Colors 15 Races( Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | white green | 9 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | white green |
| 2 | $\begin{aligned} & - \\ & 5 \\ & 3 \end{aligned}$ | red <br> bue | 10 | $\begin{array}{r} 4 \\ 2 \end{array}$ | red blue |
| 3 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | white green | 11 | $\begin{aligned} & \hline 6 \\ & \hline \end{aligned}$ | white <br> green |
| 4 | $\begin{aligned} & 3 \\ & 1 \end{aligned}$ | red blue | 12 | $\begin{aligned} & 4 \\ & 5 \\ & \hline \end{aligned}$ | red blue |
| 5 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | white green | 13 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | white green |
| 6 | $\begin{aligned} & 6 \\ & 1 \end{aligned}$ | red blue | 14 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | red blue |
| 7 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | white green | 15 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | white green |
| 8 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | red blue |  |  |  |

## Comments to Table 5.23:

1. For a double round-robin, repeat the same format for the second round. Break between races 15 and 16 , since the boats with the white and green pennants will be used in both races.
2. Instead, you may wish to use a single round-robin, followed by a "best-of-three" final, with all races counted (see "Suggested Formats").
3. Where you have only 6 boats, the pairing is the same, but only two colors are used (for example, white and green). Instead of starting race 2 immediately after race 1, the teams must exchange boats after each race with the next teams to start.
4. The boat rotation for six teams using 18 boats is only slightly quicker than the 12-boat rotation, so only the recommended 12-boat rotation is included here, between races 21 and 22, since the boats with the white and green pennants will be used in both races.
5. Where you have only 6 boats, the pairing is the same, but only two colors are used (for example, white and green). Instead of starting race 2 immediately after race 1, the teams must exchange boats after each race with the next teams to start.
6. Where you have 18 boats, use Table 5.26.

FIGURE 5.24
Team Racing Round-Robin
7 Teams, 12 Boats, 21 Races
Race Rotation:

Race: Pairings:

| $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | A (blue)* <br> C (white) | v. | $\begin{aligned} & \text { B (red) } \\ & \mathbf{D} \text { (green) } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | A (blue) B (red) | v. | C (white) <br> D (green) |
| $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | A (white) F (red) | v. | $E$ (blue) <br> G (green) |
| $\begin{aligned} & 7 \\ & 8 \end{aligned}$ | A (white) <br> E (blue) $\mathbf{v}$. | v. | $\begin{aligned} & \text { F (red) } \\ & \mathbf{G} \text { (green) } \end{aligned}$ |
| $\begin{array}{r} 9 \\ 10 \end{array}$ | D (red) <br> B (blue) | v. | F (white) <br> E (green) |
| $\begin{aligned} & 11 \\ & 12 \end{aligned}$ | B (blue) <br> D (red) | v. | F (white) <br> E (green) |
| $\begin{aligned} & 13 \\ & 14 \end{aligned}$ | $C$ (blue) A (red) | v. | F (green) <br> G (white) |
| $\begin{aligned} & 15 \\ & 16 \end{aligned}$ | $C$ (blue) <br> A (red) | v. | G (white) <br> D (green) |
| $\begin{aligned} & 17 \\ & 18 \end{aligned}$ | D (white) <br> B (green) | v. | G (blue) <br> C (red) |
| $\begin{aligned} & 19 \\ & 20 \end{aligned}$ | $\begin{aligned} & \mathrm{B} \text { (green) } \\ & \mathbf{C} \text { (red) } \end{aligned}$ | v. | $G$ (blue) <br> E (white) |
| 21 | E (white) | v. | F (blue) |

Sail-off race if necessary

* Indicates color of boat, pennant, etc.

TABLE 5.25

| Team Race Round Robin 7 Teams, 12 (or 6) Boats, 4 Colors 21 Races( Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$ | white green | 12 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | red blue |
| 2 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | red bue | 13 | $\begin{aligned} & 6 \\ & 1 \\ & \hline \end{aligned}$ | white green |
| 3 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | white green | 14 | $\begin{aligned} & 1 \\ & 2 \\ & \hline \end{aligned}$ | red blue |
| 4 | $\begin{aligned} & 1 \\ & 6 \end{aligned}$ | red blue | 15 | $\begin{aligned} & \hline 4 \\ & 5 \\ & \hline \end{aligned}$ | white green |
| 5 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | white green | 16 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | red blue |
| 6 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | red blue | 17 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | white green |
| 7 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | white green | 18 | $\begin{aligned} & 7 \\ & 1 \end{aligned}$ | red <br> blue |
| 8 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | red blue | 19 | $\begin{array}{r} 3 \\ 5 \\ \hline \end{array}$ | white green |
| 9 | $\begin{array}{r} 7 \\ 3 \end{array}$ | white green | 20 | $\begin{aligned} & 4 \\ & 6 \\ & \hline \end{aligned}$ | red blue |
| 10 | $\begin{aligned} & 6 \\ & 2 \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ | 21 | $\begin{aligned} & 5 \\ & 2 \end{aligned}$ | white green |
| 11 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | white green |  |  |  |

Comments to Table 5.25:

1. Table 5.25 is the same type of format as Table 5.24, but expressed differently.
2. You may wish to use a single round-robin, followed by a "final four" round robin. Table 5.21 (see "Suggested Formats").
3. For a double round-robin, repeat the same format for the second round. Break between races 21 and 22, since the boats with the white and green pennants will be used in both races.
4. Where you have only 6 boats, the pairing is the same, but only two colors are used (for example, white and green). Instead of starting race 2 immediately after race 1, the teams must exchange boats after each race with the next teams to start.
5. Where you have 18 boats, use Table 5.26.

TABLE 5.26

| Team Race Round Robin 7 Teams, 18 Boats, 6 Colors 21 Race (SingleRound) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | white green | 12 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | yellow <br> black |
| 2 | $\begin{aligned} & \hline 4 \\ & 2 \\ & \hline \end{aligned}$ | red blue | 13 | $\begin{aligned} & 3 \\ & 6 \\ & \hline \end{aligned}$ | white green |
| 3 | $\begin{aligned} & 5 \\ & 7 \\ & \hline \end{aligned}$ | yellow <br> black | 14 | $\begin{aligned} & 2 \\ & 1 \end{aligned}$ | red blue |
| 4 | $\begin{aligned} & 6 \\ & 1 \end{aligned}$ | white green | 15 | $\begin{aligned} & 5 \\ & 4 \end{aligned}$ | yellow black |
| 5 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | red blue | 16 | $\begin{aligned} & \hline 7 \\ & 6 \end{aligned}$ | white green |
| 6 | $\begin{aligned} & 7 \\ & 2 \\ & \hline \end{aligned}$ | yellow <br> black | 17 | $\begin{aligned} & 2 \\ & 3 \\ & \hline \end{aligned}$ | white green |
| 7 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | white green | 18 | $\begin{aligned} & 2 \\ & 3 \\ & \hline \end{aligned}$ | red blue |
| 8 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | red <br> blue | 19 | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | white green |
| 9 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | yellow <br> black | 20 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | red blue |
| 10 | $\begin{aligned} & 6 \\ & 2 \end{aligned}$ | white green | 21 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | yellow <br> black |
| 11 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | red blue |  |  |  |

TABLE 5.27

| Team Race Round Robin 8 Teams, 12 (or 6) Boats, 4 Colors 28 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Temm | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | white green | 15 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | white green |
| 2 | $\begin{aligned} & 2 \\ & 6 \\ & \hline \end{aligned}$ | red blue | 16 | $\begin{aligned} & 7 \\ & 8 \end{aligned}$ | red blue |
| 3 | $\begin{aligned} & 7 \\ & 4 \end{aligned}$ | white green | 17 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | white green |
| 4 | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | red blue | 18 | $4$ | red blue |
| 5 | $\begin{aligned} & 6 \\ & 1 \end{aligned}$ | white green | 19 | $\begin{aligned} & 2 \\ & 7 \\ & \hline \end{aligned}$ | white green |
| 6 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | red blue | 20 | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ | red blue |
| 7 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | white green | 21 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | white green |
| 8 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | red blue | 22 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | red blue |
| 9 | $\begin{aligned} & \hline 6 \\ & 8 \end{aligned}$ | white green | 23 | $\begin{aligned} & 1 \\ & 2 \\ & \hline \end{aligned}$ | white green |
| 10 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red blue | 24 | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | red blue |
| 11 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | white green | 25 | $\begin{aligned} & 4 \\ & 8 \end{aligned}$ | white green |
| 12 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | red blue | 26 | $\begin{aligned} & 7 \\ & 1 \end{aligned}$ | rod blue |
| 13 | $\begin{aligned} & 8 \\ & 1 \end{aligned}$ | white green | 27 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | white green |
| 14 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | red blue | 28 | $\begin{aligned} & 8 \\ & 2 \end{aligned}$ | red blue |

## Comments Table 5.27

1. For a double round-robin, repeat the same format for the second round.
2. Where teams are unevenly matched, use a bracket system elimination (Table 5.16). Where they are evenly matched, use either a double round-robin, or a single round-robin followed by either a "best-of-three" final or a "final-four" round-robin (Table 5.21)
3. Eight teams is effectively the practical limit for using only 6 boats, because of the amountof time each team must wait to race. Where you have only 6 boats, the pairing is the same, but only two colors are used (for example, white and green), Instead of starting race two immediately after race 1 , the teams must exchange boats after each race with the next teams to start.

TABLE 5.28

| Team Race Round Robin 8 Teams, 18 Boats, 6 Colors 28 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Tam | Pennant | Raca | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | white green | 15 | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ | yellow black |
| 2 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ | 16 | $\begin{aligned} & 6 \\ & 1 \end{aligned}$ | white green |
| 3 | $\begin{aligned} & 6 \\ & 5 \\ & \hline \end{aligned}$ | yellow <br> black | 17 | $\begin{aligned} & \hline 4 \\ & 7 \end{aligned}$ | red blue |
| 4 | $\begin{aligned} & 7 \\ & 8 \end{aligned}$ | white green | 18 | $\begin{aligned} & 8 \\ & 2 \\ & \hline \end{aligned}$ | yellow <br> black |
| 5 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | red blue | 19 | $\begin{aligned} & \hline \mathbf{3} \\ & 5 \end{aligned}$ | white green |
| 6 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | yellow <br> black | 20 | $\begin{aligned} & 7 \\ & 1 \end{aligned}$ | red <br> blue |
| 7 | $\begin{aligned} & 7 \\ & 5 \end{aligned}$ | white green | 21 | $\begin{aligned} & \hline 4 \\ & 8 \\ & \hline \end{aligned}$ | yellow <br> black |
| 8 | $\begin{aligned} & \hline 6 \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ | 22 | $\begin{aligned} & \hline 2 \\ & 6 \end{aligned}$ | white green |
| 9 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | yellow <br> black | 23 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | red blue |
| 10 | $\begin{aligned} & 3 \\ & 2 \end{aligned}$ | white green | 24 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | yellow <br> black |
| 11 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ | 25 | $\begin{aligned} & \hline 4 \\ & 6 \end{aligned}$ | white green |
| 12 | $\begin{aligned} & 8 \\ & 1 \end{aligned}$ | yellow <br> black | 26 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red <br> blue |
| 13 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | white graen | 27 | $\begin{aligned} & \hline 5 \\ & 8 \end{aligned}$ | yellow black |
| 14 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { Blue } \end{aligned}$ | 28 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | white green |

TABLE 5.29

| Team Race Round Robin B Teams, 24 Boats, 8 Colors 28 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rece | Team | Pennant | Race | Temm | Pentrant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | white green | 15 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | y.llow black |
| 2 | $\begin{aligned} & 3 \\ & 4 \\ & \hline \end{aligned}$ | red blue | 16 | $\begin{aligned} & 4 \\ & 8 \end{aligned}$ | orange light blue |
| 3 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | yollow black | 17 | $\begin{aligned} & 1 \\ & 6 \end{aligned}$ | white green |
| 4 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | orange light blue | 18 | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ | red <br> blue |
| 5 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | white green | 19 | $\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$ | yellow black |
| 6 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | red <br> blue | 20 | $\begin{aligned} & 4 \\ & 7 \\ & \hline \end{aligned}$ | orange light blue |
| 7 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | yellow black | 21 | $\begin{aligned} & 1 \\ & 7 \end{aligned}$ | white <br> green |
| 8 | $\begin{aligned} & 6 \\ & 8 \\ & \hline \end{aligned}$ | offinge litht blue | 22 | $\begin{aligned} & 2 \\ & 8 \\ & \hline \end{aligned}$ | red <br> blue |
| 9 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | white <br> green | 23 | $\begin{aligned} & 3 \\ & 5 \\ & \hline \end{aligned}$ | yollow <br> black |
| 10 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red <br> blue | 24 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | orange Ilght blue |
| 11 | $\begin{array}{r} 5 \\ 8 \\ \hline \end{array}$ | yallow <br> black | 25 | $\begin{aligned} & \hline 1 \\ & 8 \\ & \hline \end{aligned}$ | white <br> green |
| 12 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | orang* light blue | 26 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | red <br> blue |
| 13 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | white <br> green | 27 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | yellow <br> black |
| 14 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | red <br> blue | 28 | $\begin{aligned} & 4 \\ & 5 \\ & \hline \end{aligned}$ | orange Ilght blue |

Comment to Tables 5.33-5.38:
Use these single round robins with either a "best-of-three" final or a "final-four" round robin (see "Suggested Formats", "Basic final-Four" and Table 5.21 above).

TABLE 5. 30

| Team Race Round Robin 9 Tenms, 12 Boats, 4 Colors 36 Racer (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Alece | Toam | Pennmit | Ract | Team | Pennant |
| 1 | $\begin{aligned} & 5 \\ & 6 \\ & \hline \end{aligned}$ | white crien | 19 | $\begin{array}{r} 9 \\ 6 \end{array}$ | white aryan |
| 2 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | red blus | 20 | $\begin{array}{r} \text { E } \\ \text { a } \end{array}$ | red blue |
| 3 | $7$ | whit: arten | 21 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | white arann |
| 4 | $\begin{array}{r} 9 \\ \hline \end{array}$ | red blut | 22 | 1 | red blu: |
| 5 | $\frac{2}{6}$ | white arabn | 23 | $\begin{array}{r} 7 \\ 9 \\ \hline \end{array}$ | white Erifer |
| 6 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | red blua | 24 | $\begin{aligned} & 6 \\ & 8 \end{aligned}$ | red blue |
| 7 | $\begin{aligned} & 8 \\ & 1 \\ & \hline \end{aligned}$ | whito graten | 25 | $\begin{array}{r} 1 \\ 5 \\ \hline \end{array}$ | white grean |
| $\underline{8}$ | $4$ | red blup | 26 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | $\begin{aligned} & \text { rad } \\ & \text { blua } \end{aligned}$ |
| 9 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | white areen | 27 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | whita crean |
| 10 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | red blut | 28 | $\begin{aligned} & 8 \\ & 9 \\ & \hline \end{aligned}$ | red blue |
| 11 | $\begin{aligned} & 9 \\ & 9 \end{aligned}$ | white prodin | 29 | $\begin{aligned} & 6 \\ & 3 \\ & \hline \end{aligned}$ | white forth |
| 12 | $\begin{array}{r} 4 \\ 8 \end{array}$ | red blud | 30 | $\begin{aligned} & 2 \\ & 1 \end{aligned}$ | red blue |
| 13 | $\begin{aligned} & 6 \\ & 1 \\ & \hline \end{aligned}$ | blua preen | 31 | $\begin{array}{r} 5 \\ 9 \\ \hline \end{array}$ | white green |
| 14 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | red blua | 32 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | red bue |
| 15 | $\begin{aligned} & 2 \\ & 2 \end{aligned}$ | white green | 39 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | whita green |
| 16 | $\begin{array}{r} 1 \\ 4 \end{array}$ | rod blua | \$4 | $\begin{aligned} & 8 \\ & 2 \\ & \hline \end{aligned}$ | red blue |
| 17 | $\begin{aligned} & 8 \\ & 3 \\ & \hline \end{aligned}$ | whitt preen | 35 | $\begin{aligned} & 4 \\ & 5 \\ & \hline \end{aligned}$ | whit grean |
| 18 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | red blue | 36 | $\begin{aligned} & 7 \\ & 7 \\ & \hline \end{aligned}$ | red blue |

TABIE 5.31

| Team Race Round Robln 9 Toams, 1 B Boats, 6 Colors 36 Faces (Singld Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pbnhant | Race | Temm | Pennent |
| 1 | $\begin{aligned} & 6 \\ & 5 \end{aligned}$ | white gryan | 19 | $\begin{array}{r} 9 \\ \hline \end{array}$ | white prean |
| 2 | $3$ | red blua | 20 | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | rat <br> blut |
| 3 | $8$ | yellow <br> black | 21 | $2$ | yellow block |
| 4 | $\begin{aligned} & 0 \\ & 1 \end{aligned}$ | white graten | 22 | $\begin{array}{r} 1 \\ 9 \end{array}$ | white pretin |
| 5 | $\begin{aligned} & 6 \\ & 2 \\ & \hline \end{aligned}$ | red blue | 23 | $\begin{aligned} & 7 \\ & 0 \end{aligned}$ | red <br> blut. |
| 6 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | yellow <br> bleck | 24 | $\begin{aligned} & 6 \\ & 8 \\ & \hline \end{aligned}$ | yellow <br> black |
| 7 | $1$ | white orfen | 25 | $\begin{aligned} & 1 \\ & \mathbf{8} \end{aligned}$ | white antin |
| 8 | $\begin{array}{r} 9 \\ 4 \\ \hline \end{array}$ | red blu: | 26 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red blut |
| 9 | $\begin{aligned} & 5 \\ & 2 \end{aligned}$ | yellow <br> black | 27 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | yolliow <br> black |
| 10 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | white grean | 28 | $\begin{aligned} & 8 \\ & 9 \\ & \hline \end{aligned}$ | white green |
| 11 | $\begin{aligned} & 3 \\ & 9 \\ & \hline \end{aligned}$ | ped blue | 29 | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | red blua |
| 12 | $\begin{array}{r} 4 \\ 8 \\ \hline \end{array}$ | yellow <br> bleck | 30 | $\begin{aligned} & 2 \\ & 1 \\ & \hline \end{aligned}$ | yollow <br> blatk |
| 19 | $\begin{aligned} & 6 \\ & 1 \\ & \hline \end{aligned}$ | whits greth | 31 | $\begin{aligned} & 5 \\ & 9 \\ & \hline \end{aligned}$ | white preen |
| 14 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | red blue | 32 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | red blue |
| 15 | $\begin{aligned} & 9 \\ & 2 \end{aligned}$ | yellow <br> bleck | 33 | $\begin{aligned} & 7 \\ & 3 \end{aligned}$ | yellow <br> black |
| 16 | $\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$ | whiter grean | 34 | $\begin{aligned} & 2 \\ & 8 \end{aligned}$ | whilt grean |
| 17 | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | red blue | 35 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | red blue |
| 18 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | yeilow <br> black | 36 | $\begin{aligned} & 7 \\ & 7 \end{aligned}$ | yellow <br> black |

TABLE 5.32

| Team Race Round Robln 9 Teams, 24 Boats, 8 Colors 28 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Fines | Tuatim | Penhant | Rines | Tamm | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | white qratin | 19 | $\begin{aligned} & 2 \\ & 9 \\ & \hline \end{aligned}$ | yellow black |
| 2 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | red <br> blue | 20 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | orange Ilpht blue |
| 3 | $5$ | yellow <br> black | 21 | $\begin{aligned} & 1 \\ & 7 \end{aligned}$ | white green |
| 4 | $\begin{array}{r} 7 \\ \hline \end{array}$ | © Fang ILpht blue | 22 | $\begin{aligned} & 2 \\ & 8 \end{aligned}$ | red blue. |
| 5 | $\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$ | white drem | 23 | $\begin{aligned} & 9 \\ & 5 \end{aligned}$ | yellow <br> black |
| 6 | $\frac{2}{4}$ | red blue | 24 | $\begin{array}{r} 4 \\ 6 \\ \hline \end{array}$ | orange Ilght blut |
| 7 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | ydlow <br> black | 25 | $\begin{aligned} & 1 \\ & 8 \end{aligned}$ | white grean |
| 8 | $\begin{aligned} & 6 \\ & 9 \end{aligned}$ | orange lipht blue | 26 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | red blue |
| 9 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | white green | 37 |  | yellow <br> black |
| 10 | $\begin{aligned} & \mathbf{2} \\ & 3 \end{aligned}$ | red blue | 21 | $\begin{array}{r} 4 \\ \hline \end{array}$ | orange Ilight blup |
| 11 | $\begin{aligned} & 5 \\ & \frac{8}{8} \end{aligned}$ | yellow <br> black | 29 | $\begin{aligned} & 1 \\ & 0 \end{aligned}$ | white arem |
| 12 | $\begin{aligned} & 7 \\ & 9 \end{aligned}$ | orange Ilght blue | 30 | $\begin{array}{r} 6 \\ \hline \end{array}$ | red blue |
| 15 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | white <br> prean | 31 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | ytllow <br> black |
| 14 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | red blue | 32 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | ormnie Ilpht blue |
| 15 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | yellow <br> black | 83 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | white <br> green |
| 15 | $\begin{array}{r} 4 \\ 8 \\ \hline \end{array}$ | orange Unht blue | 84 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | red blue |
| ${ }^{1} 7$ | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | white 9 ran | 35 | $\begin{aligned} & 5 \\ & 9 \end{aligned}$ | yellow <br> black |
| 1 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | rad blu9 | 56 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | orange Ilight blue |

TABLE 5.33

| Team Race Round Robin 10 Teams, 18 Boats, 6 Colors 45 Races (Single Round) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant | Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 6 \end{aligned}$ | white green | 13 | $\begin{gathered} 3 \\ 10 \end{gathered}$ | white green | 25 | $\begin{aligned} & 9 \\ & 5 \end{aligned}$ | white green | 37 | $\begin{gathered} 10 \\ 8 \end{gathered}$ | white green |
| 2 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | red blue | 14 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | red blue | 26 | $\begin{aligned} & 6 \\ & 2 \end{aligned}$ | red blue | 38 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | red blue |
| 3 | $\begin{aligned} & \mathbf{3} \\ & 8 \end{aligned}$ | yellow black | 15 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | yellow black | 27 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | yellow black | 39 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | yellow black |
| 4 | $\begin{aligned} & 9 \\ & 4 \end{aligned}$ | white green | 16 | $\begin{aligned} & 2 \\ & 1 \end{aligned}$ | white green | 28 | $\begin{aligned} & 8 \\ & 7 \end{aligned}$ | white green | 40 | $\begin{aligned} & 6 \\ & 9 \end{aligned}$ | white green |
| 5 | $\begin{gathered} 5 \\ 10 \end{gathered}$ | red blue | 17 | $\begin{aligned} & 9 \\ & 8 \end{aligned}$ | red blue | 29 | $\begin{gathered} 10 \\ 9 \end{gathered}$ | red blue | 41 | $\begin{gathered} 2 \\ 10 \end{gathered}$ | red blue |
| 6 | $\begin{aligned} & 1 \\ & 7 \end{aligned}$ | yellow black | 18 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | yellow black | 30 | $\begin{aligned} & 4 \\ & 2 \end{aligned}$ | yellow black | 42 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | yellow black |
| 7 | $\begin{aligned} & 8 \\ & 2 \end{aligned}$ | white green | 19 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | white green | 31 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | white green | 43 | $\begin{aligned} & 7 \\ & 3 \end{aligned}$ | white green |
| 8 | $\begin{aligned} & \mathbf{3} \\ & \mathbf{9} \end{aligned}$ | red blue | 20 | $\begin{gathered} 10 \\ 6 \end{gathered}$ | red blue | 32 | $\begin{aligned} & 8 \\ & 6 \end{aligned}$ | red blue | 44 | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | red blue |
| 9 | $\begin{gathered} 10 \\ 4 \end{gathered}$ | yellow black | 21 | $\begin{aligned} & 9 \\ & 1 \end{aligned}$ | yellow <br> black | 33 | $\begin{gathered} 10 \\ 1 \end{gathered}$ | yellow black | 45 | $\begin{aligned} & 4 \\ & 6 \end{aligned}$ | yellow black |
| 10 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | white green | 22 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | white green | 34 | $\begin{aligned} & 7 \\ & 9 \end{aligned}$ | white green |  |  |  |
| 11 | $\begin{aligned} & 1 \\ & 8 \end{aligned}$ | red blue | 23 | $\begin{aligned} & 8 \\ & 4 \end{aligned}$ | red blue | 35 | $\begin{aligned} & 2 \\ & 5 \end{aligned}$ | red blue |  |  |  |
| 12 | $\begin{aligned} & 2 \\ & 9 \end{aligned}$ | yellow <br> black | 24 | $\begin{aligned} & 7 \\ & 10 \end{aligned}$ | yellow black | 36 | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | yellow black |  |  |  |

TABLE 5.34

| Team Race Round Robin 10 Teams, 18 Boats, 6 Colors 45 Races (Single Round) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant | Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 6 \end{aligned}$ | white green | 13 | $\begin{gathered} 3 \\ 10 \end{gathered}$ | white green | 25 | $\begin{aligned} & 9 \\ & 5 \end{aligned}$ | white green | 37 | $\begin{gathered} 10 \\ 8 \end{gathered}$ | white green |
| 2 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | red blue | 14 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | red blue | 26 | $\begin{aligned} & 6 \\ & 2 \end{aligned}$ | red blue | 38 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | red blue |
| 3 | $\begin{array}{r} 3 \\ 8 \end{array}$ | yellow black | 15 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | yellow black | 27 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | yellow black | 39 | $\begin{aligned} & 5 \\ & 1 \end{aligned}$ | yellow black |
| 4 | $\begin{aligned} & 9 \\ & 4 \end{aligned}$ | orange light blue | 16 | $\begin{aligned} & 2 \\ & 1 \end{aligned}$ | orange light blue | 28 | $\begin{aligned} & 8 \\ & 7 \end{aligned}$ | orange light blue | 40 | $\begin{aligned} & 6 \\ & 9 \end{aligned}$ | orange light blue |
| 5 | $\begin{gathered} 5 \\ 10 \end{gathered}$ | white green | 17 | $\begin{aligned} & 9 \\ & 8 \end{aligned}$ | white green | 29 | $\begin{gathered} 10 \\ 9 \end{gathered}$ | white green | 41 | $\begin{gathered} 2 \\ 10 \end{gathered}$ | white green |
| 6 | $\begin{aligned} & 1 \\ & 7 \end{aligned}$ | red blue | 18 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | red blue | 30 | $\begin{aligned} & 4 \\ & 2 \end{aligned}$ | red blue | 42 | $\begin{aligned} & 1 \\ & 4 \end{aligned}$ | red blue |
| 7 | $\begin{aligned} & 8 \\ & 2 \end{aligned}$ | yellow black | 19 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | yellow black | 31 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | yellow black | 43 | $\begin{aligned} & 7 \\ & 3 \end{aligned}$ | yellow black |
| 8 | $\begin{aligned} & 3 \\ & 9 \end{aligned}$ | orange light blue | 20 | $\begin{gathered} 10 \\ 6 \end{gathered}$ | orange light blue | 32 | $\begin{aligned} & 8 \\ & 6 \end{aligned}$ | orange light blue | 44 | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | orange light blue |
| 9 | $\begin{gathered} 10 \\ 4 \end{gathered}$ | white green | 21 | $\begin{aligned} & 9 \\ & 1 \end{aligned}$ | white green | 33 | $\begin{gathered} 10 \\ 1 \end{gathered}$ | white green | 45 | 4 | white green |
| 10 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | red blue | 22 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red blue | 34 | $\begin{aligned} & 7 \\ & 9 \end{aligned}$ | red blue |  |  |  |
| 11 | $\begin{aligned} & 1 \\ & 8 \end{aligned}$ | yellow black | 23 | $8$ | yellow black | 35 | $\begin{aligned} & \mathbf{2} \\ & 5 \end{aligned}$ | yellow black |  |  |  |
| 12 | $\begin{aligned} & 2 \\ & 9 \end{aligned}$ | orange light blue | 24 | $\begin{gathered} 7 \\ 10 \end{gathered}$ | orange light blue | 36 | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | orange light blue |  |  |  |

TABLE 5.35

| Team Race Round Robin 11 Teams, 18 Boats, 6 Colors 55 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 6 \\ & 1 \end{aligned}$ | white creen | 15 | $\begin{aligned} & 5 \\ & 9 \end{aligned}$ | yellow <br> black |
| 2 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | red <br> blue | 16 | $\begin{gathered} 11 \\ 1 \\ \hline \end{gathered}$ | white grem |
| 3 | $8$ | yellow <br> black | 17 | $\begin{gathered} 2 \\ 10 \\ \hline \end{gathered}$ | red blue |
| 4 | $\begin{aligned} & 4 \\ & 9 \\ & \hline \end{aligned}$ | white green | 18 | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | yellow <br> black |
| 5 | $\begin{gathered} 10 \\ 5 \end{gathered}$ | rad blue | 19 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | white green. |
| 6 | $\begin{gathered} 11 \\ 6 \end{gathered}$ | yellow black | 20 | $\begin{aligned} & \mathbf{5} \\ & \mathbf{B} \\ & \hline \end{aligned}$ | rad blue |
| 7 | $\begin{aligned} & 7 \\ & 1 \\ & \hline \end{aligned}$ | white grean | 21 | $\begin{aligned} & 9 \\ & 1 \end{aligned}$ | yellow <br> black |
| 8 | $\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$ | red light blue | 22 | $\begin{array}{r} 3 \\ 11 \\ \hline \end{array}$ | whita green |
| 9 | $\begin{aligned} & 3 \\ & 9 \end{aligned}$ | yellow black | 23 | $\begin{aligned} & 6 \\ & 10 \end{aligned}$ | red black |
| 10 | $\begin{gathered} 4 \\ 10 \\ \hline \end{gathered}$ | white green | 24 | $\begin{aligned} & 5 \\ & 2 \\ & \hline \end{aligned}$ | yellow black |
| 11 | $\begin{gathered} 5 \\ 11 \\ \hline \end{gathered}$ | red blue | 25 | $\begin{aligned} & 1 \\ & 4 \\ & \hline \end{aligned}$ | white green |
| 12 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | yellow <br> black | 26 | $\begin{array}{r} 7 \\ \hline \\ \hline \end{array}$ | red blue |
| 13 | $\begin{aligned} & 3 \\ & 7 \\ & \hline \end{aligned}$ | white <br> grean | 27 | $10$ | yellow <br> black |
| 14 | $\begin{array}{r} 4 \\ 8 \\ \hline \end{array}$ | red blue | 28 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | white green |

Table 3.35 Continued

| Team Race Round Robin 11 Teams, 18 Boats, 6 Colors 55 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 29 | $\begin{aligned} & 6 \\ & 5 \end{aligned}$ | red <br> blue | 43 | $\begin{aligned} & 9 \\ & 7 \end{aligned}$ | white grean |
| 30 | $\begin{gathered} 11 \\ 4 \\ \hline \end{gathered}$ | yellow <br> black | 44 | $\begin{aligned} & 8 \\ & 1 \end{aligned}$ | red <br> blue |
| 31 | $\begin{aligned} & 1 \\ & \mathbf{8} \\ & \hline \end{aligned}$ | white green | 45 | $\begin{aligned} & 10 \\ & 11 \end{aligned}$ | yellow <br> black |
| 32 | $\begin{array}{r} 9 \\ 2 \\ \hline \end{array}$ | red blue | 46 | $\begin{aligned} & 1 \\ & 3 \\ & \hline \end{aligned}$ | white green |
| 33 | $\begin{gathered} 10 \\ 3 \\ \hline \end{gathered}$ | yellaw <br> black | 47 | $\begin{aligned} & 2 \\ & 3 \end{aligned}$ | red blue |
| 34 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | white green | 48 | $\begin{aligned} & 9 \\ & 8 \\ & \hline \end{aligned}$ | yellow <br> black |
| 35 | $\begin{aligned} & 4 \\ & 5 \end{aligned}$ | red <br> blue | 49 | $\begin{gathered} 7 \\ 11 \end{gathered}$ | while green |
| 36 | $\begin{gathered} 8 \\ 11 \\ \hline \end{gathered}$ | yellow <br> black | 50 | $\begin{gathered} 10 \\ 1 \\ \hline \end{gathered}$ | red blun |
| 37 | $\begin{array}{r} 1 \\ \mathbf{2} \\ \hline \end{array}$ | white green | 51 | $\begin{aligned} & 3 \\ & 5 \\ & \hline \end{aligned}$ | yellow <br> black |
| 38 | $\begin{aligned} & 9 \\ & 6 \end{aligned}$ | red blue | 52 | $\begin{aligned} & 6 \\ & 2 \\ & \hline \end{aligned}$ | white green |
| 39 | $\begin{gathered} 7 \\ 10 \\ \hline \end{gathered}$ | yellow <br> black | 53 | $\begin{gathered} 11 \\ 9 \\ \hline \end{gathered}$ | red blue |
| 40 | $\begin{aligned} & 3 \\ & 4 \\ & \hline \end{aligned}$ | white <br> green | 54 | $\begin{gathered} 10 \\ 8 \\ \hline \end{gathered}$ | yellow <br> black |
| 41 | $\begin{gathered} 11 \\ 2 \end{gathered}$ | red blue | 55 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | white green |
| 42 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | yellow <br> black |  |  |  |

TABLE 5.36

| Team Race Round Robln 11 Teams, 24 Boats, 8 Colors 55 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 1 | $\begin{aligned} & 6 \\ & 1 \\ & \hline \end{aligned}$ | white grean | 15 | $\begin{aligned} & 5 \\ & 9 \\ & \hline \end{aligned}$ | yellow <br> black |
| 2 | $\begin{aligned} & 2 \\ & 7 \\ & \hline \end{aligned}$ | red blue | 16 | $\begin{gathered} 11 \\ 1 \end{gathered}$ | orange Ilight blue |
| 3 | $\begin{aligned} & 8 \\ & 3 \\ & \hline \end{aligned}$ | yellow <br> black | 17 | $\begin{gathered} 2 \\ 10 \\ \hline \end{gathered}$ | white <br> green |
| 4 | $\begin{aligned} & 4 \\ & 9 \end{aligned}$ | orange llight blue | 18 | $\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$ | red <br> blue |
| 5 | $\begin{gathered} 10 \\ 5 \\ \hline \end{gathered}$ | white green | 19 | $\begin{aligned} & 4 \\ & 7 \end{aligned}$ | yellow black |
| 6 | $\begin{gathered} 11 \\ 6 \end{gathered}$ | red blue | 20 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | orange light bluse |
| 7 | $\begin{aligned} & 7 \\ & 1 \\ & \hline \end{aligned}$ | yellow <br> black | 21 | $\begin{aligned} & 9 \\ & 1 \end{aligned}$ | white green |
| 8 | $\begin{aligned} & 8 \\ & 2 \\ & \hline \end{aligned}$ | orange llight blue | 22 | $\begin{gathered} 3 \\ 11 \end{gathered}$ | red blue |
| 9 | $\begin{aligned} & 3 \\ & 9 \\ & \hline \end{aligned}$ | whilte green | 23 | $\begin{gathered} 6 \\ 10 \\ \hline \end{gathered}$ | yellow <br> black |
| 10 | $\begin{gathered} 4 \\ 10 \\ \hline \end{gathered}$ | rad <br> blue | 24 | $\begin{aligned} & \hline 5 \\ & 2 \\ & \hline \end{aligned}$ | orange light blue |
| 11 | $\begin{gathered} \hline 5 \\ 11 \\ \hline \end{gathered}$ | yellow black | 25 | $\begin{aligned} & 1 \\ & 4 \\ & \hline \end{aligned}$ | white green |
| 12 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | orange light blue | 26 | $\begin{aligned} & \hline 7 \\ & 8 \\ & \hline \end{aligned}$ | red blue |
| 18 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | white green | 27 | $\begin{gathered} 9 \\ 10 \\ \hline \end{gathered}$ | yellow <br> black |
| 14 | $\begin{aligned} & \hline 4 \\ & 8 \\ & \hline \end{aligned}$ | red <br> blue | 28 | $\begin{aligned} & 2 \\ & 3 \\ & \hline \end{aligned}$ | orange light blue |

continued, next page-

TABLE 5.36 continuad

| Team Race Round Robin 11 Teams, 24 Boats, 8 Colors 55 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Tpam | Pennant | Race | Team | Pennant |
| 29 | $\begin{gathered} 6 \\ 51 \end{gathered}$ | white green | 43 | $\begin{aligned} & 9 \\ & 7 \end{aligned}$ | yellow <br> black |
| 30 | $\begin{gathered} 11 \\ 4 \end{gathered}$ | red blue | 44 | $\begin{aligned} & 8 \\ & 6 \\ & \hline \end{aligned}$ | orange light blue |
| 31 | $\begin{aligned} & 1 \\ & 8 \end{aligned}$ | yellow <br> black | 45 | $\begin{aligned} & 10 \\ & 11 \end{aligned}$ | white green |
| 32 | $\begin{aligned} & 9 \\ & 2 \end{aligned}$ | orange light blue | 46 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | red <br> blue |
| 33 | $\begin{gathered} 10 \\ 3 \end{gathered}$ | white green | 47 | $\begin{aligned} & 2 \\ & 4 \end{aligned}$ | yellow <br> black |
| 34 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ | red <br> blue | 48 | $\begin{aligned} & 9 \\ & 8 \end{aligned}$ | orange light blue |
| 35 | $\begin{aligned} & 4 \\ & 5 \\ & \hline \end{aligned}$ | yellow <br> black | 49 | $\begin{gathered} 7 \\ 11 \end{gathered}$ | white green |
| 36 | $\begin{gathered} 8 \\ 11 \end{gathered}$ | orange light blue | 50 | $\begin{gathered} 10 \\ 1 \end{gathered}$ | red blue |
| 37 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | white green | 51 | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | yellow <br> black |
| 88 | $\begin{aligned} & 9 \\ & 6 \end{aligned}$ | red blue | 52 | $\begin{aligned} & 5 \\ & 2 \end{aligned}$ | orange light blue |
| 39 | $\begin{gathered} 7 \\ 10 \end{gathered}$ | yellow <br> black | 53 | $\begin{aligned} & 11 \\ & 9 \end{aligned}$ | white green |
| 40 | $\begin{aligned} & 3 \\ & 4 \end{aligned}$ | orange Ilight blue | 54 | $\begin{gathered} 10 \\ 8 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ |
| 41 | $\begin{gathered} 11 \\ 2 \end{gathered}$ | white green | 55 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | yellow <br> black |
| 42 | $\begin{aligned} & 1 \\ & 5 \\ & \hline \end{aligned}$ | red <br> blue |  |  |  |

TABIE 5.37

| Tam Race Round Robln 12 Temm, 18 Bonts, 6 Colors 66 Racen (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rece | Team | Pennant | Face | Team | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | whity arean | $1{ }^{1}$ | $\begin{array}{r} 16 \\ 11 \end{array}$ | yollow <br> black |
| 2 | $\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$ | red blue | 19 | $\begin{aligned} & 5 \\ & 1 \\ & \hline \end{aligned}$ | white gratin |
| 3 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | yellow black | 20 | $\begin{aligned} & 2 \\ & 6 \\ & \hline \end{aligned}$ | red blu: |
| 4 | $\begin{aligned} & 7 \\ & 6 \\ & \hline \end{aligned}$ | while graten | 21 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | yellow <br> black |
| 5 | $\begin{gathered} 9 \\ 10 \\ \hline \end{gathered}$ | red blue | 22 | $\begin{array}{r} 4 \\ 8 \\ \hline \end{array}$ | white arean |
| 6 | $\begin{aligned} & 11 \\ & 12 \\ & \hline \end{aligned}$ | yollow black | 23 | $\begin{aligned} & 9 \\ & 8 \\ & \hline \end{aligned}$ | red <br> blue |
| 7 | $\begin{aligned} & 1 \\ & 3 \end{aligned}$ | white groth | 24 | $\begin{gathered} 5 \\ 10 \end{gathered}$ | yollow <br> black |
| $\stackrel{\square}{6}$ | $\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$ | red blue | 75 | $\begin{gathered} 7 \\ 11 \\ \hline \end{gathered}$ | white <br> grath |
| $\dagger$ | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | yellow <br> black | 26 | $9$ | red <br> blug |
| 10 | $\begin{aligned} & 6 \\ & 8 \end{aligned}$ | white groth | 27 | $\begin{aligned} & 2 \\ & 3 \\ & \hline \end{aligned}$ | yellow <br> black |
| 11 | $\begin{gathered} 9 \\ 11 \\ \hline \end{gathered}$ | red <br> blue | 28 | $\begin{aligned} & 5 \\ & 4 \\ & \hline \end{aligned}$ | white green |
| 12 | $\begin{aligned} & 10 \\ & 12 \\ & \hline \end{aligned}$ | yollow black | 29 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | red blue |
| 13 | $\begin{aligned} & 4 \\ & 1 \end{aligned}$ | white green | 30 | $\begin{aligned} & 9 \\ & 4 \end{aligned}$ | yollow <br> bleck |
| 14 | $\begin{aligned} & 5 \\ & 2 \end{aligned}$ | Tod <br> blue | 41 | $\begin{aligned} & 11 \\ & 10 \\ & \hline \end{aligned}$ | white qreth |
| 15 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | ybllow black | 32 | $\begin{aligned} & 1 \\ & 12 \\ & \hline \end{aligned}$ | rad <br> blue |
| 16 | $\begin{gathered} 10 \\ 7 \\ \hline \end{gathered}$ | white qrog | 3 3 | $\begin{aligned} & 3 \\ & 5 \\ & \hline \end{aligned}$ | yellow <br> black |
| 17 | $\begin{gathered} 6 \\ 11 \\ \hline \end{gathered}$ | red blut | 34 | $\begin{array}{r} 4 \\ 6 \\ \hline \end{array}$ | white greth |

TABI.E 5.37 tontinued

| Taam Race Round Robin 12 Teams, 18 Boats, 6 Colors 66 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Penmant | Race | Team | Pennant |
| 35 | $\begin{aligned} & 7 \\ & 9 \end{aligned}$ | red blue | 51 | $\begin{gathered} 12 \\ 2 \\ \hline \end{gathered}$ | yellow black |
| 36 | $\begin{gathered} 10 \\ 8 \end{gathered}$ | yollow black | 52 | $\begin{gathered} 11 \\ 4 \end{gathered}$ | white green |
| 37 | $\begin{gathered} 2 \\ 11 \end{gathered}$ | white green | 53 | $\begin{aligned} & 9 \\ & 3 \end{aligned}$ | red blue |
| 38 | $\begin{aligned} & 1 \\ & 6 \\ & \hline \end{aligned}$ | red blue | 54 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | yellow <br> black |
| 89 | $\begin{aligned} & 7 \\ & 12 \end{aligned}$ | yellow <br> black | 55 | $\begin{gathered} 2 \\ 10 \\ \hline \end{gathered}$ | white green |
| 40 | $\begin{aligned} & 4 \\ & 9 \end{aligned}$ | white gregn | 56 | $\begin{gathered} 6 \\ 12 \\ \hline \end{gathered}$ | red blue |
| 41 | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ | red blue | 57 | $\begin{gathered} 11 \\ 5 \\ \hline \end{gathered}$ | yellow <br> black |
| 42 | $\begin{gathered} 5 \\ 10 \end{gathered}$ | yelliow black | 58 | $\begin{aligned} & 7 \\ & 4 \end{aligned}$ | white green |
| 43 | $\begin{aligned} & \hline 6 \\ & 11 \\ & \hline \end{aligned}$ | white grean | 59 | $\begin{gathered} 10 \\ 7 \\ \hline \end{gathered}$ | red blue |
| 44 | $\begin{aligned} & 2 \\ & 7 \end{aligned}$ | red blue | 60 | $\begin{aligned} & 2 \\ & 9 \end{aligned}$ | yellow black |
| 45 | $\begin{aligned} & 1 \\ & 9 \end{aligned}$ | yellow black | 61 | $\begin{gathered} 3 \\ 11 \end{gathered}$ | white grenn |
| 46 | $\begin{gathered} 12 \\ 4 \end{gathered}$ | white green | 62 | $\begin{gathered} 12 \\ 5 \end{gathered}$ | red blue |
| 47 | $\begin{aligned} & \hline 5 \\ & 8 \\ & \hline \end{aligned}$ | red blue | 68 | $\begin{gathered} 4 \\ 10 \end{gathered}$ | yellow <br> black |
| 48 | $\begin{gathered} 10 \\ 3 \\ \hline \end{gathered}$ | yollow <br> black | 64 | $\begin{aligned} & 8 \\ & 2 \\ & \hline \end{aligned}$ | white green |
| 49 | $\begin{aligned} & 9 \\ & 6 \end{aligned}$ | white groen | 65 | $\begin{gathered} 11 \\ 1 \\ \hline \end{gathered}$ | red blue |
| 50 | $\begin{aligned} & 7 \\ & 1 \end{aligned}$ | red blue | 66 | $\begin{aligned} & 12 \\ & 3 \end{aligned}$ | yellow <br> black |

TABI.E 5.38

| Team Race Round Robln 12 Teams, 24 Boats, 8 Colors 6s Races (SIngle Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Tem | Pennant |
| 1 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | white areen | 18 | $11$ | red blut |
| 2 | $\begin{array}{r} 3 \\ 4 \end{array}$ | red blue | 19 | $\begin{aligned} & 5 \\ & 1 \\ & \hline \end{aligned}$ | yellow <br> black |
| 3 | $\begin{aligned} & 5 \\ & 6 \end{aligned}$ | yollow block | 20 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | orangt light blut |
| 4 | $\begin{aligned} & 7 \\ & 8 \end{aligned}$ | orange lligh blue | 21 | $\begin{aligned} & 3 \\ & 7 \end{aligned}$ | white grean |
| 5 | $\begin{gathered} 9 \\ 70 \end{gathered}$ | white quean | 22 |  | red blua |
| 6 | $\begin{aligned} & 11 \\ & 12 \end{aligned}$ | red blue | 23 | $\begin{aligned} & 9 \\ & 5 \end{aligned}$ | yellow black |
| 7 | $\begin{aligned} & 1 \\ & 3 \\ & \hline \end{aligned}$ | yallow black | 24 | $\begin{gathered} 6 \\ 10 \\ \hline \end{gathered}$ | orange light blue |
| - | $\begin{aligned} & 4 \\ & 2 \end{aligned}$ | orange Iloht blue | 25 | $\begin{gathered} 7 \\ 11 \end{gathered}$ | white grean |
| 9 | $\begin{aligned} & 5 \\ & 7 \end{aligned}$ | white greon | 26 | $\begin{gathered} 8 \\ 12 \\ \hline \end{gathered}$ | red blue |
| 10 | $\begin{aligned} & 6 \\ & 8 \end{aligned}$ | red blue | 27 | $\begin{aligned} & 2 \\ & 3 \\ & \hline \end{aligned}$ | yellow black |
| 11 | $71$ | yellow bleck | 28 | $\begin{aligned} & 5 \\ & \hline \end{aligned}$ | orange light blue |
| 12 | $\begin{aligned} & 10 \\ & 12 \\ & \hline \end{aligned}$ | orran이를 Ilpht blue | 29 | $\begin{aligned} & 6 \\ & 7 \end{aligned}$ | white <br> grean |
| 13 | $\begin{aligned} & 4 \\ & 1 \end{aligned}$ | white green | 50 | $\begin{aligned} & 9 \\ & 8 \\ & 8 \end{aligned}$ | red blue |
| 14 | $\begin{aligned} & 5 \\ & 2 \end{aligned}$ | red blue | 31 | $\begin{aligned} & 11 \\ & 10 \end{aligned}$ | yellow black |
| 15 | $\begin{aligned} & 3 \\ & 6 \end{aligned}$ | yolliw bleck | 32 | $\begin{gathered} \hline 7 \\ 12 \end{gathered}$ | arange lifht blut |
| 16 | $\begin{gathered} 10 \\ 7 \end{gathered}$ | ortang light blu: | 33 | $\begin{aligned} & \hline 3 \\ & 5 \\ & \hline \end{aligned}$ | white grem |
| 17 | $\begin{aligned} & 8 \\ & 11 \end{aligned}$ | white 9「4.4 | 34 | $\begin{array}{r} 4 \\ 6 \\ \hline \end{array}$ | red blue |

continued, naxt page=

TABLE 5.38 continued

| Team Race Round Robln 12 Teams, 24 Boats, 8 Colors 66 Races (Single Round) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Race | Team | Pennant | Race | Team | Pennant |
| 35 | $\begin{aligned} & \hline 7 \\ & 9 \end{aligned}$ | yellow <br> black | 51 | $\begin{gathered} 12 \\ 2 \\ \hline \end{gathered}$ | yellow black |
| 35 | $\begin{gathered} 10 \\ 8 \\ \hline \end{gathered}$ | orange light blue | 52 | $\begin{gathered} 11 \\ 4 \\ \hline \end{gathered}$ | orange Ilaht blue |
| 37 | $\begin{gathered} 2 \\ 11 \\ \hline \end{gathered}$ | white green | 53 | $\begin{aligned} & 9 \\ & 3 \\ & \hline \end{aligned}$ | white green |
| 38 | $\begin{aligned} & 2 \\ & 6 \end{aligned}$ | red blue | 54 | $\begin{aligned} & 8 \\ & 1 \end{aligned}$ | rad <br> blue |
| 39 | $\begin{gathered} 7 \\ 12 \end{gathered}$ | yellow <br> black | 55 | $\begin{gathered} 2 \\ 10 \\ \hline \end{gathered}$ | yellow <br> black |
| 40 | $\begin{aligned} & 4 \\ & 9 \\ & \hline \end{aligned}$ | orange light blue | 56 | $\begin{gathered} 6 \\ 12 \end{gathered}$ | orange llight blue |
| 41 | $\begin{aligned} & 3 \\ & 8 \end{aligned}$ | white green | 57 | $\begin{gathered} 11 \\ 5 \\ \hline \end{gathered}$ | white green |
| 42 | $\begin{gathered} 5 \\ 10 \\ \hline \end{gathered}$ | red blue | 58 | $\begin{array}{r} 7 \\ 4 \\ \hline \end{array}$ | red blue |
| 43 | $\begin{gathered} 6 \\ 11 \\ \hline \end{gathered}$ | yellow <br> black | 59 | $\begin{gathered} 10 \\ 1 \\ \hline \end{gathered}$ | yellow <br> black |
| 44 | $\begin{aligned} & 2 \\ & 7 \\ & \hline \end{aligned}$ | orange light blue | 60 | $\begin{aligned} & 2 \\ & 9 \\ & \hline \end{aligned}$ | oranga Ilght blue |
| 45 | $\begin{aligned} & 1 \\ & 0 \\ & \hline \end{aligned}$ | white green | 61 | $\begin{gathered} \hline 3 \\ 11 \\ \hline \end{gathered}$ | white green |
| 46 | $\begin{gathered} 12 \\ 4 \\ \hline \end{gathered}$ | red blue | 62 | $\begin{gathered} 12 \\ 5 \\ \hline \end{gathered}$ | red blue |
| 47 | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | yellow <br> black | 63 | $\begin{gathered} 4 \\ 19 \\ \hline \end{gathered}$ | yellow <br> black |
| 48 | $\begin{gathered} 10 \\ 3 \end{gathered}$ | orange light blue | 64 | $\begin{aligned} & 8 \\ & 2 \end{aligned}$ | orang light blue |
| 49 | $\begin{aligned} & 9 \\ & 6 \end{aligned}$ | white grean | 65 | $\begin{gathered} 11 \\ 1 \\ \hline \end{gathered}$ | white green |
| 50 | $\begin{aligned} & 4 \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { red } \\ & \text { blue } \end{aligned}$ | 66 | $\begin{gathered} 12 \\ 3 \\ \hline \end{gathered}$ | red blue |

The easiest team racing events to run are bring-your-own-boat (BYOB) events. Boats do not have to be acquired, equalized, assigned, rotated, repaired or worried about. Also, the racing does not need to be run near a rotation dock and races do not need to be postponed for breakdowns. Even the rotation is easier to figure. In the following rotations there is a space in between groups of races or flights.

TABLE 5.39

| 3 teams | 4 teams | 5 teams | 6 teams | 7 teams |
| :---: | :---: | :---: | :---: | :---: |
| 1. AB | 1. AB | 1.48 | 1. AB | 1. AB |
|  | 2.CD | 2. $C D$ | 2. CD | 2.cD |
| 2. AC |  |  | 3. EF | 3. EF |
|  | 3. AC | 3. AE |  |  |
| 3. BC | 4. BD | 4. CB | 4. AC | 4. AG |
|  |  |  | $5 . \mathrm{BE}$ | 5. BC |
|  | $\begin{aligned} & \text { S.AD } \\ & \text { 6.BC } \end{aligned}$ | $\begin{aligned} & \text { 5. AC } \\ & \text { G. DE } \end{aligned}$ | 6. DF | 6. DE |
|  |  |  | 7. AE | 7.FG |
|  |  | $7 . \mathrm{BE}$ | 8.CF | 8. AC |
|  |  | B. AD | 9.BD | 9. BD |
|  |  | 9. CE | 10. AF | 10. EG |
|  |  | 10. BD | 11. DE | 11. CF |
|  |  |  | 12. BC | 12. AD |
|  |  |  | 13. AD | 13. BG |
|  |  |  | 14. BF | 14.CE |
|  |  |  | 15. CE | 15. AF |
|  |  |  |  | 16. DG |
|  |  | . |  | 17. BF |
|  |  |  |  | 18. AE |
|  |  |  |  | 19.CG |
|  |  |  |  | 20. DF |
|  |  |  |  | 21. BE |

