

Problem of the Week

Problem C

The Hat Race

Frankie, Chrystal, and Sam have just competed in the POTW's 10th annual Toboggan Race.

Frankie, Chrystal, and Sam each finished in first, second, or third in the toboggan race. There were no ties.

Each person also wore a different colour hat. One wore a red hat, one wore a green hat, and one wore a purple hat.

Using the following clues, determine who placed first, second and third, and which hat each person wore.

1. Chrystal was faster than Sam.
2. Sam did not wear the purple hat since she does not like purple and she did not finish before Frankie.
3. The person who wore the red hat was faster than the person who wore the green hat.
4. Chrystal did not wear the red hat and Frankie did not wear the green hat.
5. The person who came in first did not wear the purple hat.

You may find the following table a helpful way to organize your solution to this problem.

	Red Hat	Green Hat	Purple Hat	First	Second	Third
Frankie						
Chrystal						
Sam						
First						
Second						
Third						

