



Problem of the Week

Problem B

It's a Race

Manish, Diana, Isebel, Ris, and Ji-Yeong are the five runners in a 400 m race. Their friend cheered them on and took a photo partway through the race. The photo shows the following:

- Isebel is in the lead.
- Ji-Yeong has run farther than Ris, but not as far as Manish.
- Diana has two people ahead of her and two people behind her.

(a) Using the information given, determine the order of the runners in the photo. Fill in the blanks in the list shown below.

START _____, _____, _____, _____, _____ FINISH

(b) The following five fractions represent the fraction of the course that each runner had completed in the photo.

$$\frac{2}{3}, \frac{5}{6}, \frac{3}{4}, \frac{1}{3}, \frac{1}{4}$$

Which runner completed each fraction of the course? Show your work using diagrams or equivalent fractions.

