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How is the graph of a race between two runners related to the stages of Polya's problem-solving strategy? This talk explores the potential effectiveness of Polya's problem-solving strategy and illustrates how dynamic activities can be used to help students to make meaningful connections between different representations of the same concept. Attendees will discuss how to create their own tasks to elicit students' thinking and deepen their understanding of mathematics, followed by discussions of implications for teaching and learning mathematics. (Received August 19, 2020)