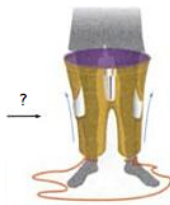


Pants Research [Get your Knickers in a Bunch]

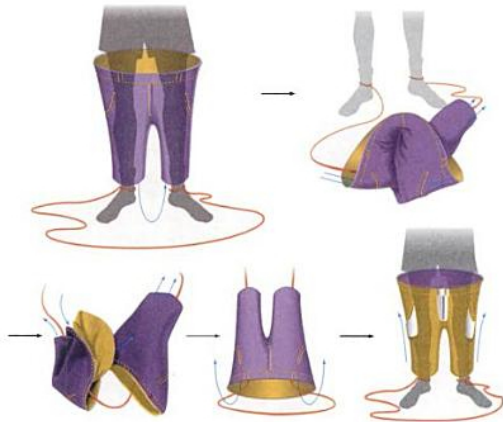
Pants Research [Get your Knickers in a Bunch]



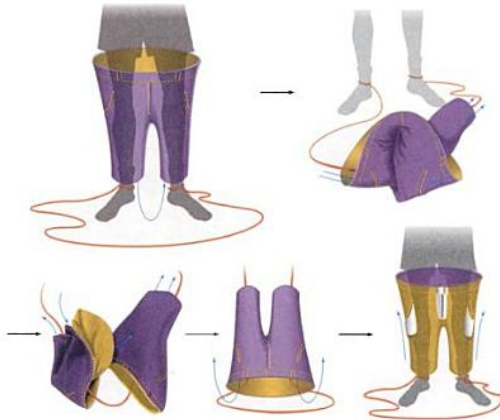
Heart of Mathematics by Burger and Starbird

Beginning with this initial state, is it possible to reach this final state? Demonstrate how or prove why it is not possible.

One Solution



One Solution



Write up a solution so that someone who was not here could understand.

One Solution

- Pull pants down so that they are on the rope.
- Bring the cuff of the right pants leg through the inside of the left pants leg and pull all the way through. The pants will still be right side out but the rope will now go through the pants.
- Now reach each hand into the inside of each pants leg and grab the cuffs. Simultaneously pull the cuffs up through the pants. The pants will be inside out and the rope will no longer be around the pants.
- Pull the pants up.

Research Perspectives: Pants

- *Make the issue concrete and physical whenever possible.... Many surprising and even counterintuitive discoveries can be made by freeing ourselves from old, unsubstantiated biases and experimenting with new ways of thinking and seeing.*
- Shared process of creative inquiry and problem solving
- Equivalences in mathematics and molecular biology (topology, knot theory, and what kind of enzymatic reactions take place for mRNA strands)

