

Dinie Sauer's Pixar's Dinosaurs

Pixar is working on an upcoming movie which requires large crowds of dinosaurs.

If you have 3 different heads, 3 different tails and 2 different bodies how many different dinosaurs could you make?

If you have 3 different heads, 2 different tails, 1 body and 2 different pairs of arms how many different dinosaurs could you make?

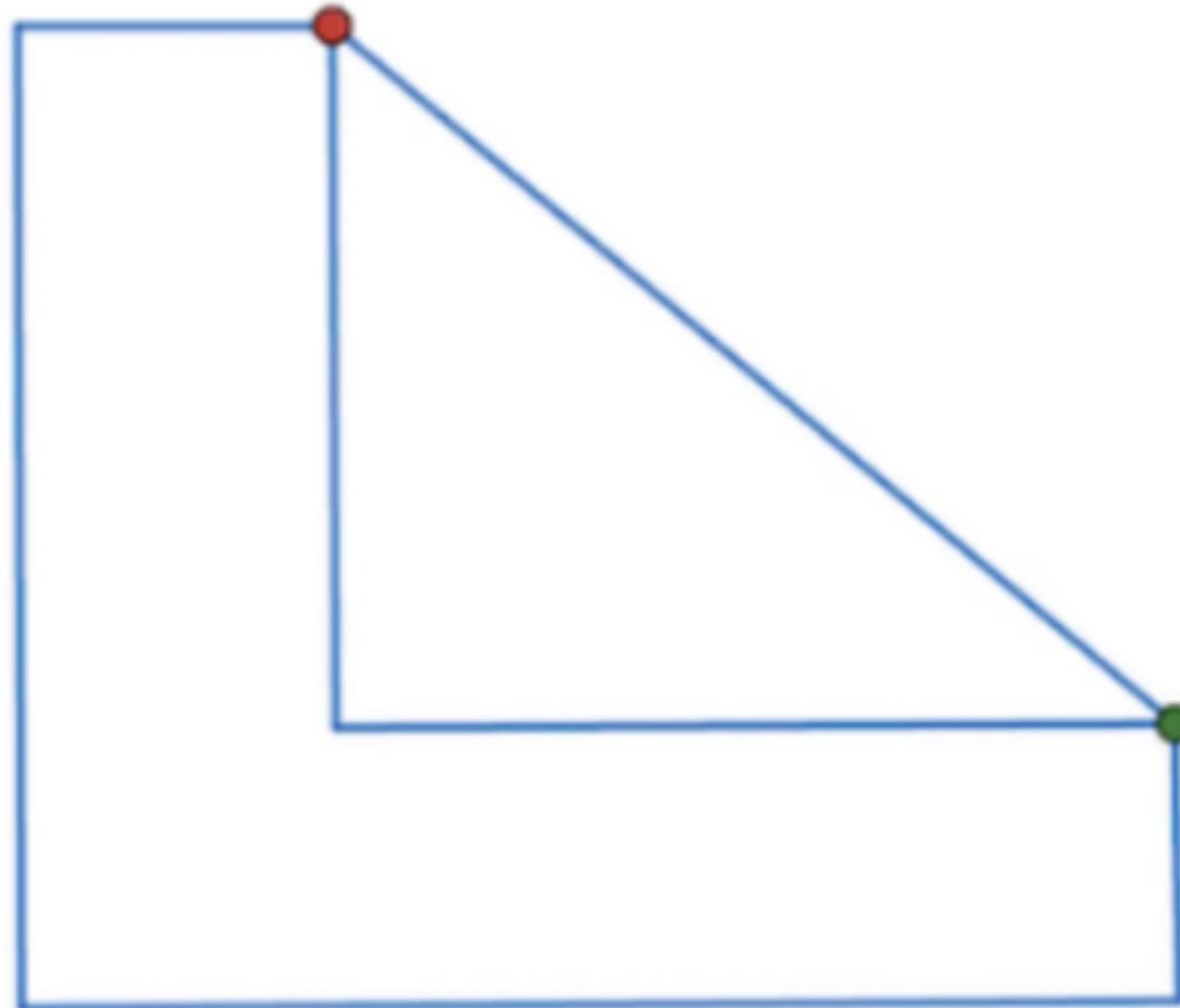
- The director has requested enough parts so that exactly **1000** different dinosaurs can be made. Each dinosaur should be made out of exactly 5 parts: head, body, arm pair, leg pair & tail. No more, no less. Remember, a dinosaur is said to be **different** if at least one body part is different.

If the total number of parts to be rendered determines the cost of production, who has the lowest cost?

Pixar's Dinosaur Movie

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Counting Paths



If you start from the red dot, how many ways are there to get to the green dot if you're not allowed to revisit any blue lines?