

# Problem 18: Big Tall Trees

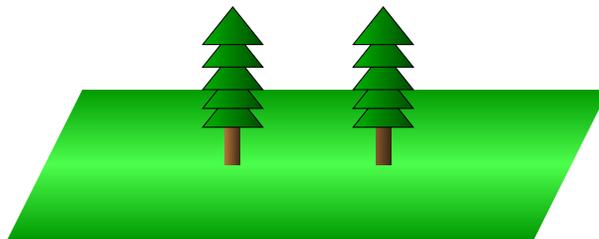
USMA D/Math Problem of the Week

**Submission Deadline:** April 10, 2008 at 1600

**Circle one:**  cadet  faculty  non-usma student  non-usma faculty  other

**Problem Statement:**

Two trees are 100ft apart, and both are 100ft tall. If they both fall (in a random direction), what is the probability that one falls on top of the other?



(Assume the ground is flat, they fall from the base, branches don't count, nothing else gets in the way, etc.)

Submit your answer to Dr. Elisha Peterson at [ae3263@usma.edu](mailto:ae3263@usma.edu) with the subject line **WP POTW...** or drop your solution off in my mailbox or on my desk (with date and time please!)