

# esportes da sorte bahia

Two Pieces of Fruit, ONE in each hand comes For them who will have a chance to win the game of chance. The rule is that only one can pass the game from front to back.

Empathy B Hand. The Orange Game is a routing and deadlock avoidance challenge.

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pieces around, so you can see the probability of a ball landing in bucket k is the number of paths to the bucket multiplied by the probability of each path:

$$p(k) = \frac{n!}{k!(n-k)!}$$

Page 5 Clicker Question #1 For a 7-row plinko, with 8 buckets labeled 0 to 7, what is the probability of a ball landing in bucket 1?

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Plinko Probabilities, Part 4 Random Variables and the Expected Value

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The Mathematics of the Board At each level, the penny will be "knocked" either to the left or to the right, each with a 50/50 probability.

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But there will be many ways of taking  $n_1$  lefts and  $n_2$  rights over  $N$  levels. If all  $N$  choices are left, for instance, there is only one way.

The Probability ("Plinko") Board

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