Weekly Challenge

Solve the challenge, share your solution and summit the ranks of our Community!

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IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

SUBMIT FEEDBACK

Challenge #270: Pony Permutations

AYXAcademy
Alteryx

A solution to last week's challenge can be found here.

This week's challenge was submitted by @mst3k - Thank you for your submission!

Later this week, the Belmont Stakes will be held in New York. If you are unfamiliar, this is a famous horse race which serves as the third race in the Triple Crown (the Kentucky Derby and Preakness are the other two legs). While there will not be a triple crown winner this year (since different horses won the previous two legs), we can still have some fun analyzing some race possibilities!

A race is being held between 4 horses. Create an output of every possible combination of race finishes. No horse should be able to finish in more than 1 place, but be warned there are two "different" mustangs named Sally in this race!
Extra Credit: If there are 5 horses instead of 4, how many possible outcomes are there? Can that number be generalized if there are n number of horses?

Source: https://en.wikipedia.org/wiki/Belmont_Stakes

challenge_270_start_file.yxmd

challenge_270_solution.yxmd

Basic | Data Analysis | Join | Preparation | Transform

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patrick_digan
17 - Castor

@estherb47 Does this bring back nightmares of Born to Solve Nashville?

Spoiler

challenge_270_start_file.yxmd

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AkimasaKajitani
15 - Aurora

My solution.

Spoiler

Share 3 LIKES Reply

PhilipMannering
15 - Aurora

My solution attached,

Spoiler

The cheat dynamic solution

Spoiler

Challenge 270 - Pony Permuations.yxmd

Share 4 LIKES Reply

patrick_digan
17 - Castor

And to solve the advanced part/make it more dynamic without macros, we can simulate enough horse races to get all the possible outcomes

Spoiler

challenge_270_start_file.yxmd

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DeanWest
9 - Comet

Off to the races! 🐎

Spoiler

challenge_270_solution_DeanWest.yxmd

Share 0 LIKES Reply

AngelosPachis
16 - Nebula

Append fields tool to the rescue for this week's challenge!

Spoiler

challenge_270_solved_AP.yxmd

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RolandSchubert
16 - Nebula

My solution

Spoiler

challenge_270_solution_rsc.yxmd

Share 0 LIKES Reply

ellen-wiegand
Alteryx

fun fact: race horse names cannot be reused until 5 years after the horse has stopped racing or breeding

▷ Spoiler

I believe the number of solutions for this problem is just a simple factorial? So it should generalize to any number of starters.

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Toons
12 - Quasar

My solution :

▷ Spoiler

challenge_270_Solution_Toons.yxmd

Share 0 LIKES Reply

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