

We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.

2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.



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## Weekly Challenge

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

Also available in | Français | Português | Español | 中文

### IDEAS WANTED

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

[SUBMIT FEEDBACK](#)

[Weekly Challenge](#)

## Challenge #48: Calculating Distribution Priority



GeneR  
Alteryx Alumni (Retired)

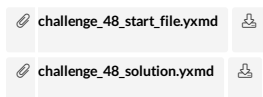
The link to last week's challenge is [HERE](#).

Use Case: There are 3 warehouses across the US that supply 26 retail locations. The retailers have products/items that are in high demand and, as a result, out of supply within their stores.

Your job as a distribution manager is to allocate as much product from the warehouses as possible, but there are a few constraints:

1. A retailer location can only be supplied by the nearest warehouse.
2. Prioritization of product allocation across retailers is dependent on required product/item need at the location. For example, is there higher priority where there is the highest required?

Objective: Allocate as much product from the 3 warehouses as possible to the 26 retail locations



Intermediate Join Preparation Spatial Spatial Analysis Transform

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LBhat  
5 - Atom

Missed the answers.

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LBhat  
5 - Atom

► Spoiler

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TaraM  
Alteryx

Nice work @LBhat! I moved your solution image into a spoiler tag so as not to give it away! I think this was the fastest solution turn around we've had to a weekly exercise.

Tara McCoy

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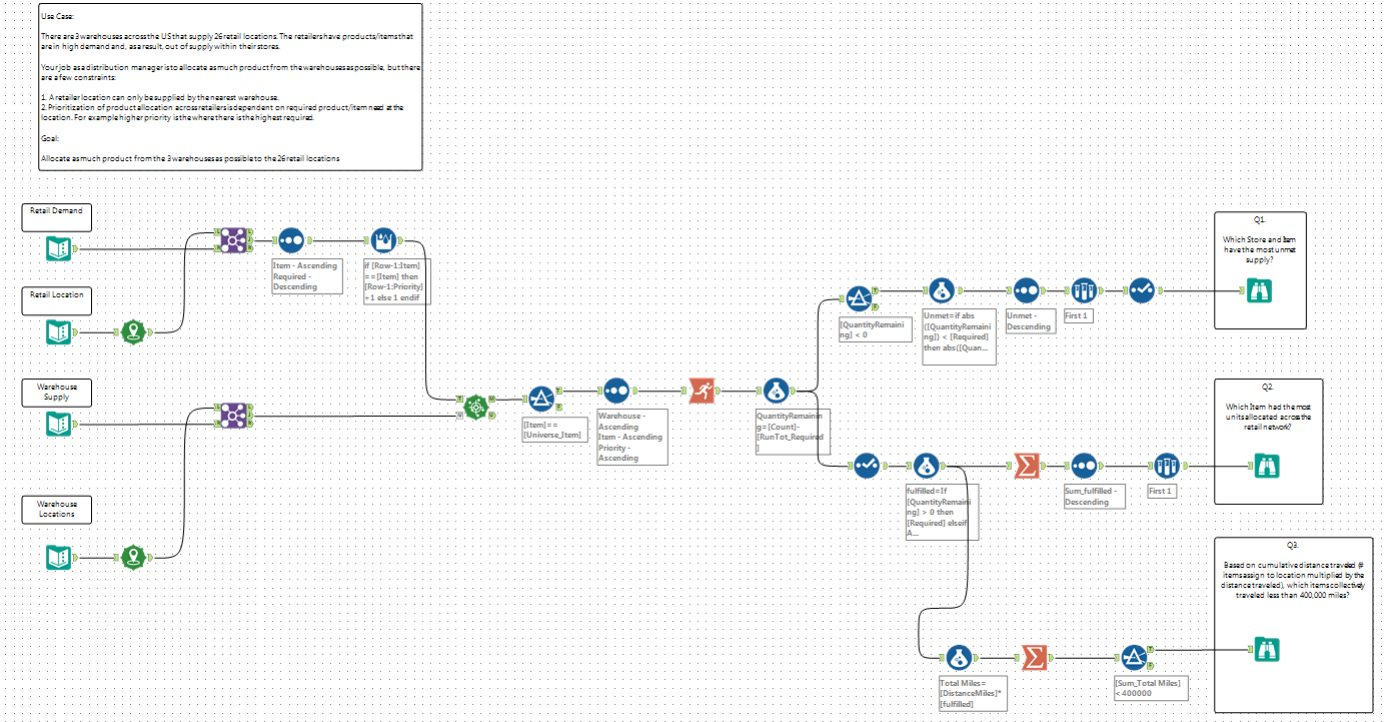
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Here's a solution:



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**NicoleJohnson**  
15 - Aurora

Solution!

Spoiler

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3 LIKES

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**SeanAdams**  
17 - Castor

Slightly more complex answer

Spoiler

challenge\_48\_Seansolution.yxmp

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**estherb47**  
15 - Aurora


similar approach to others, with the individual tools (to make it different than the iterative macro exercise)

challenge\_48\_EHB\_solution.yxmd

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**LordNeilLord**  
15 - Aurora

Well that took longer than expected:

↳ Spoiler

 challenge\_48\_LNL.yxmd 

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**patrick\_digan**  
17 - Castor

Very similar to others

↳ Spoiler

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