

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!

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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!

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[Weekly Challenge](#)

## Challenge #220: Hedge Detection

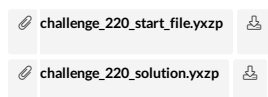


A solution to last week's challenge can be found [here](#).

This week's challenge was submitted by [@wwatson](#) - Thanks for your submission!

In this week's challenge, a farmer has 7 fields which are all bound by hedges. He provides you with a series of spatial points defining the corners of the fields.

He would like you to calculate the total area of the farm in Sq Km, the perimeter of the farm in Km, the area and perimeter of each field and the total length of the hedges on the farm.



Difficult Preparation Spatial Spatial Analysis

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Johnemery

10 - Fireball

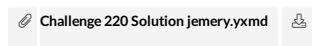
I hate my solution. I think it's far too "hard-coded" but I couldn't see how to solve the problem more dynamically.

Very tricky!

▷ Spoiler

View my solution video here:

▷ Spoiler

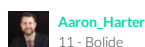


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Aaron Harter

11 - Bolide

The convergence of farming & analytics!

▷ Spoiler



(edit 6/15 9:48 CT) video of solution overview:

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 challenge\_220\_AB Data\_Aaron.yxzp 

  2 LIKES 


 **Kenda**  
15 - Aurora

This was a fun one!

▷ Spoiler

 220 Kenda.yxzp 

  2 LIKES 

 **Blake**  
12 - Quasar

That was a tough one, love the curve ball!

▷ Spoiler



What do farmers use to make crop circles?

▷ Spoiler

Ok fine, one more...

What did the baby corn say to the mama corn?

▷ Spoiler



 challenge\_220\_BH.yxzp 

  3 LIKES 


 **cgoodman3**  
13 - Pulsar

▷ Spoiler

Chris  
Check out my collaboration with fellow ACE Joshua Burkhaw at [AlterTricks.com](https://AlterTricks.com)



 challenge\_220\_solution.yxmd 

  0 LIKES 

 **hanykowska**  
10 - Fireball

Also very hardcoded solution, looking forward to the seeing the original solution. Nevertheless, fun challenge!

▷ Spoiler

 challenge\_220\_solution\_hanykowska.yxzp 



  2 LIKES 



**ACE RolandSchubert**  
16 - Nebula

I rarely work with spatial ... my solution is not as flexible as I would like. And I guess certainly not as simple as it could be.


↳ Spoiler

 challenge\_220\_solution\_rsc.yxmd 

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**phottovy**  
12 - Quasar

I also had to hard code some items and I needed some help on the "Total Hedge Length" but it's always good to get more practice with tools I don't use very often.


↳ Spoiler

 challenge\_220\_ph\_solution.yxzp 

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**RWvanLeeuwen**  
10 - Fireball

This was fun! But you definitely need to think a bit before starting.

↳ Spoiler

 challenge\_220\_start\_file - RWVL.yxmd 

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