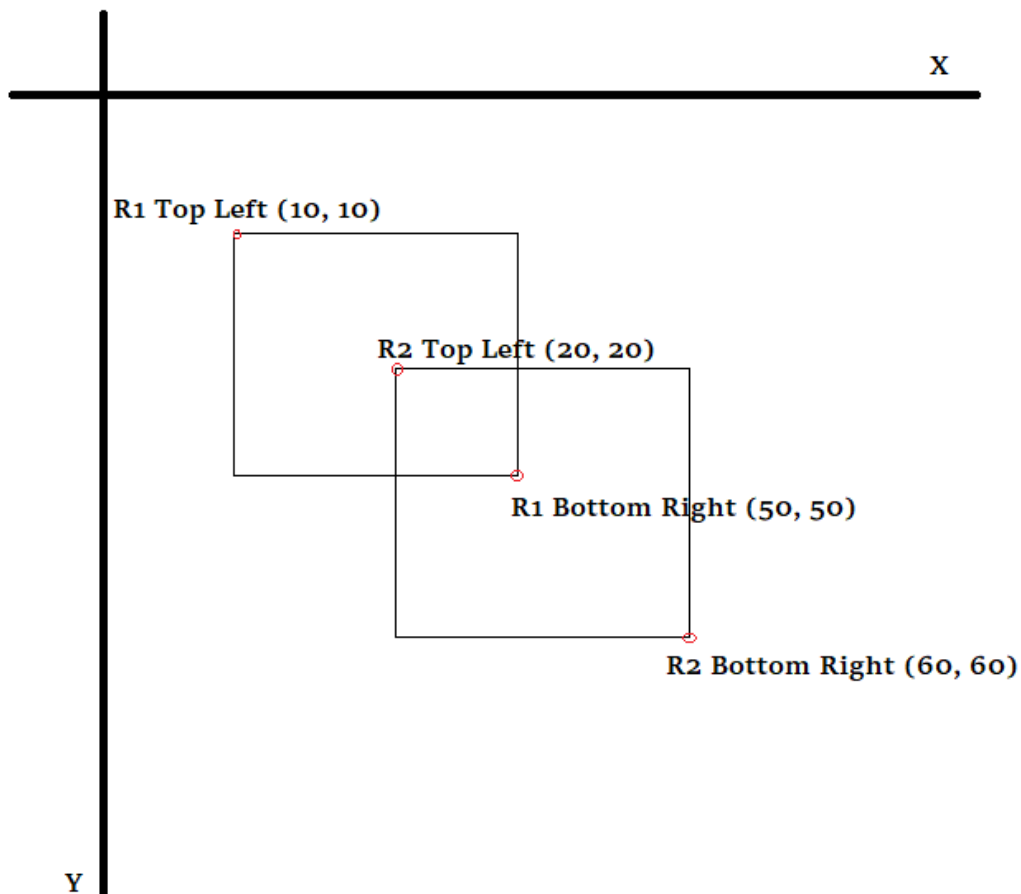


Description

- Express Js with Typescript is used to code Rectangles example
- Base for the application is taken from <https://github.com/Kitanotori/express-typescript-example> for starter pack of ExpressJs & Typescript
- Server is running on port 3000 on host localhost for development purpose
- API endpoint to check rectangles relationship is localhost:3000/api/v1/check-rectangles-relation
- Here assumed a 2D plane with X, Y Coordinates with minimum (0,0) to maximum (100, 100) value
- In API request there are 2 rectangle data is expected
- Each rectangle data array contains 2 adjacent vertex of rectangle(Top Left & Bottom Right respectively)

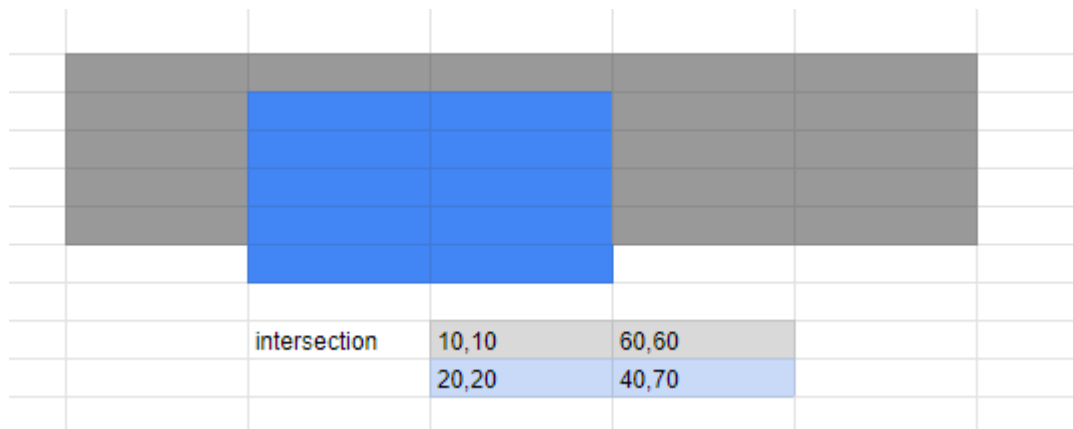
Assumption

Below is the assumption I made for my solution

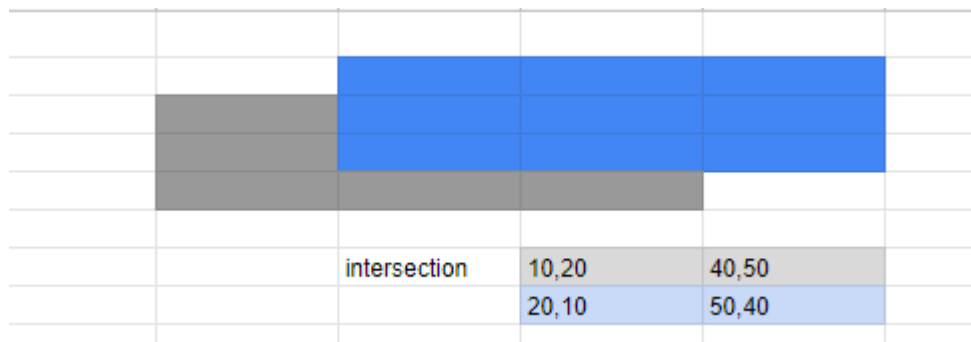


Test Cases

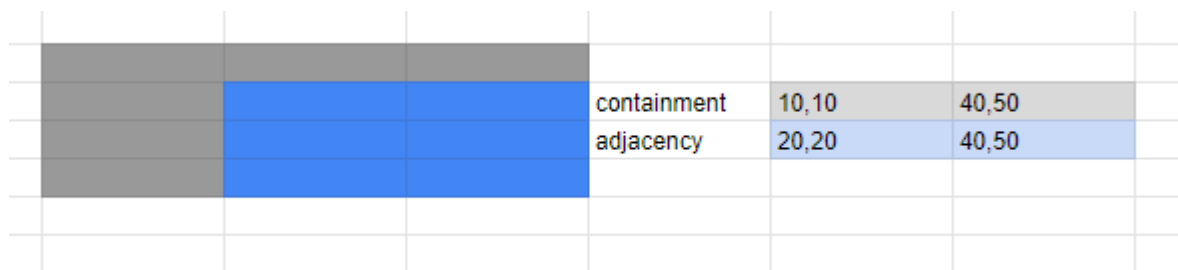
1.



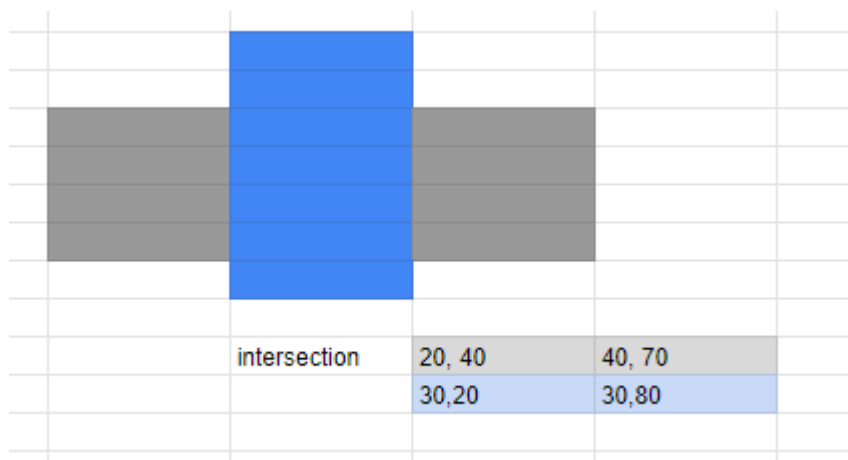
2.



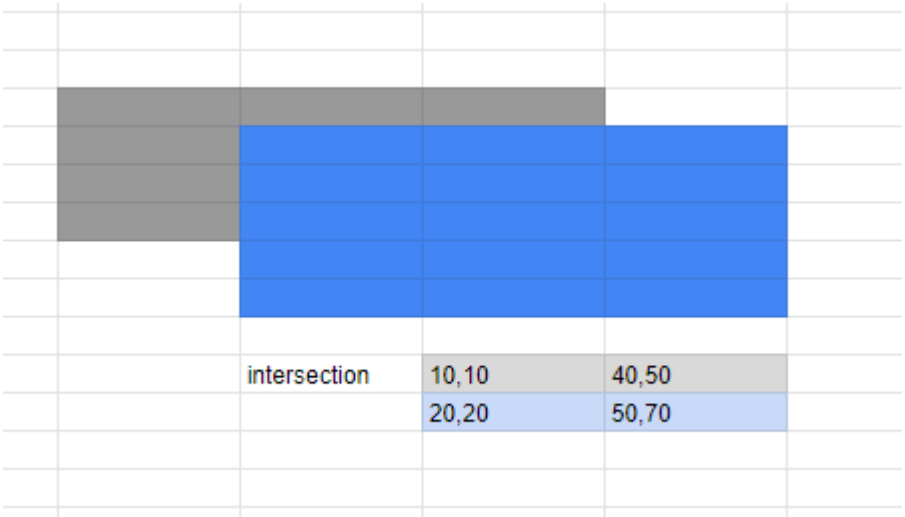
3.



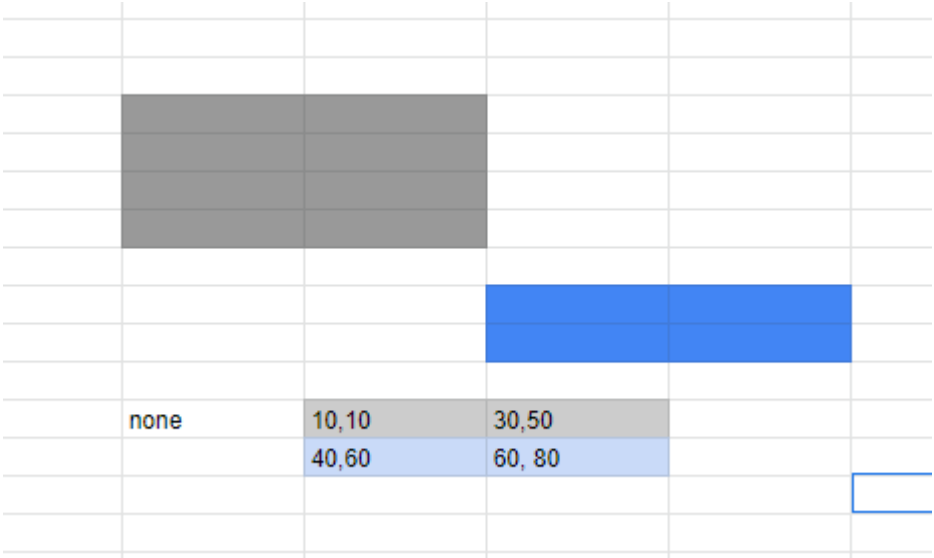
4.



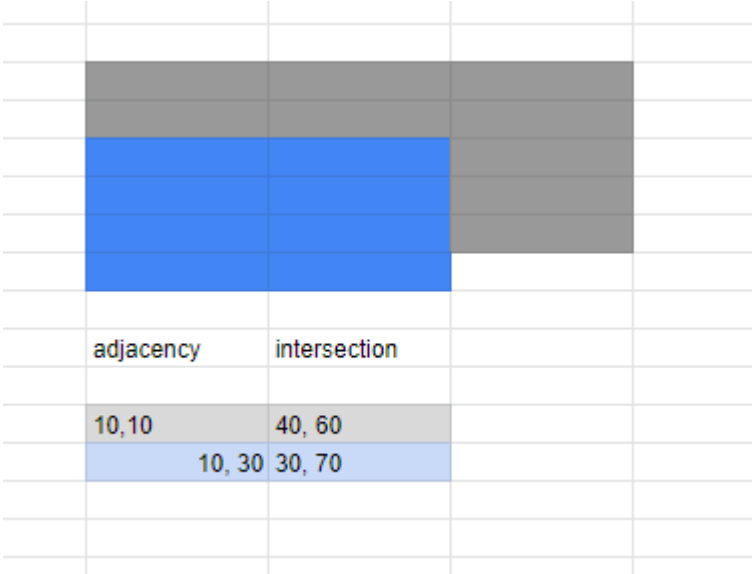
5.



6.



7.



8.

