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StefanPochmann   ★ 47263   Last Edit: November 30, 2019 11:22 PM   690 VIEWS

Return 0 or 1 for trivial cases, otherwise split into four quadrants.

```python
def countShips(self, sea, topRight, bottomLeft):
    def count((x, X), (y, Y)):
        if x > X or y > Y or not sea.hasShips(Point(X, Y), Point(x, y)):
            return 0
        if (x, y) == (X, Y):
            return 1
        xm = (x + X) / 2
        ym = (y + Y) / 2
        xRanges = (x, xm), (xm+1, X)
        yRanges = (y, ym), (ym+1, Y)
        return sum(count(xr, yr) for xr in xRanges for yr in yRanges)
    return count((bottomLeft.x, topRight.x), (bottomLeft.y, topRight.y))
```

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lee215   ★ 47711   Last Edit: December 1, 2019 9:49 AM

Long time no see! Welcome back!
Wait! Are you real Stefan? Stefan will hack it and write **1-line** solution.

```python
def countShips(self, sea, P, Q):
    return sum(Q.x <= x <= P.x and Q.y <= y <= P.y for x, y in sea._Sea__ans)
```

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please_AC   ★ 10   December 1, 2019 7:57 AM

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tommyjiang   ★ 23   December 1, 2019 9:56 AM

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dancerNight   ★ 5   December 1, 2019 9:48 AM

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cc189   ★ 434   December 1, 2019 7:19 AM

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