

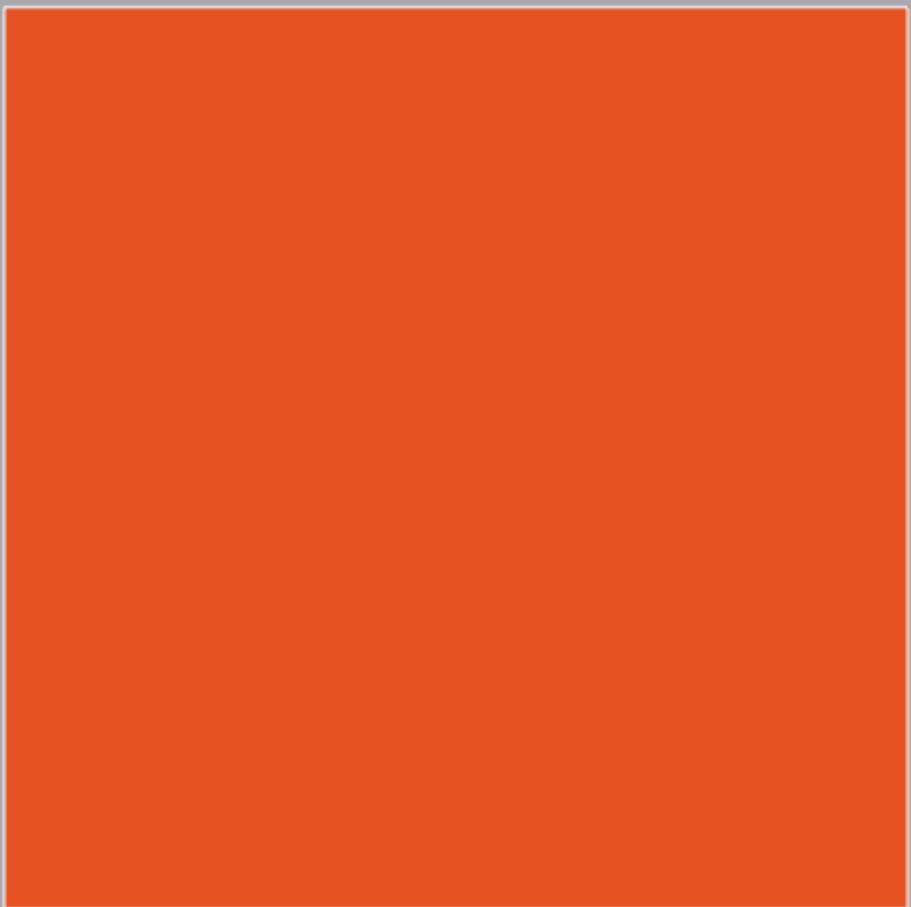
# Mathematik? Spiel!

$$(a + b)^2$$

...

$$(a + b + c + \dots)^2$$

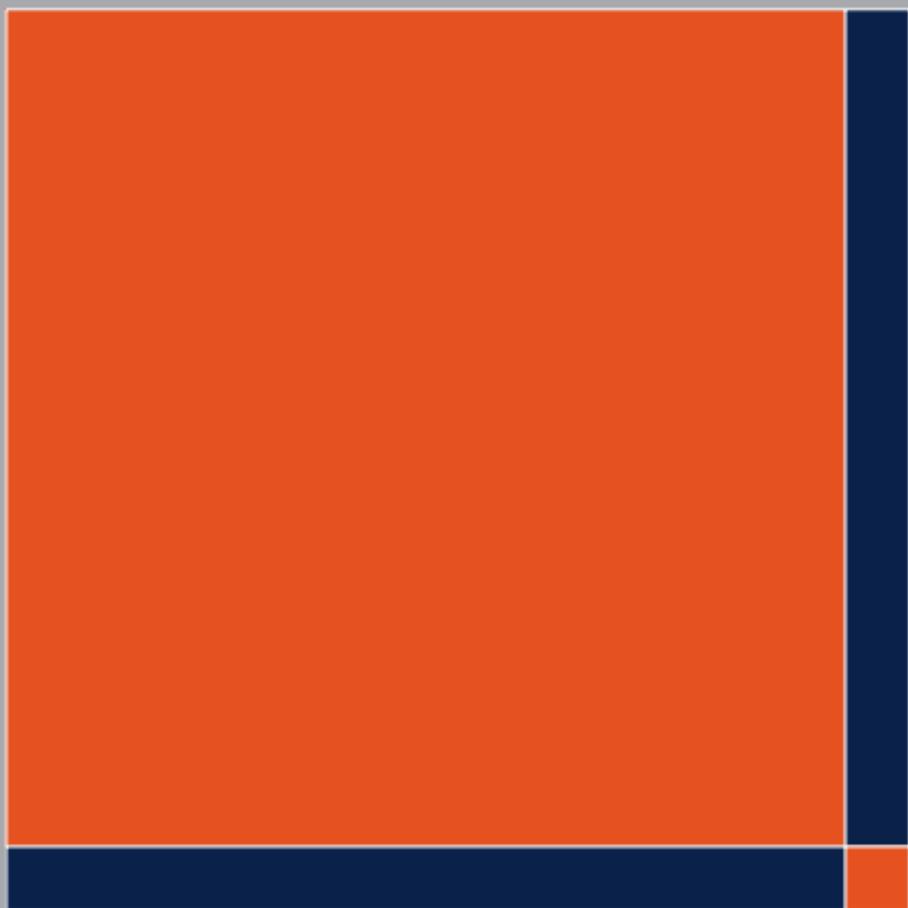


$$(a + b + c + \dots)^2$$




5

$$(a + b + c + \dots)^2$$





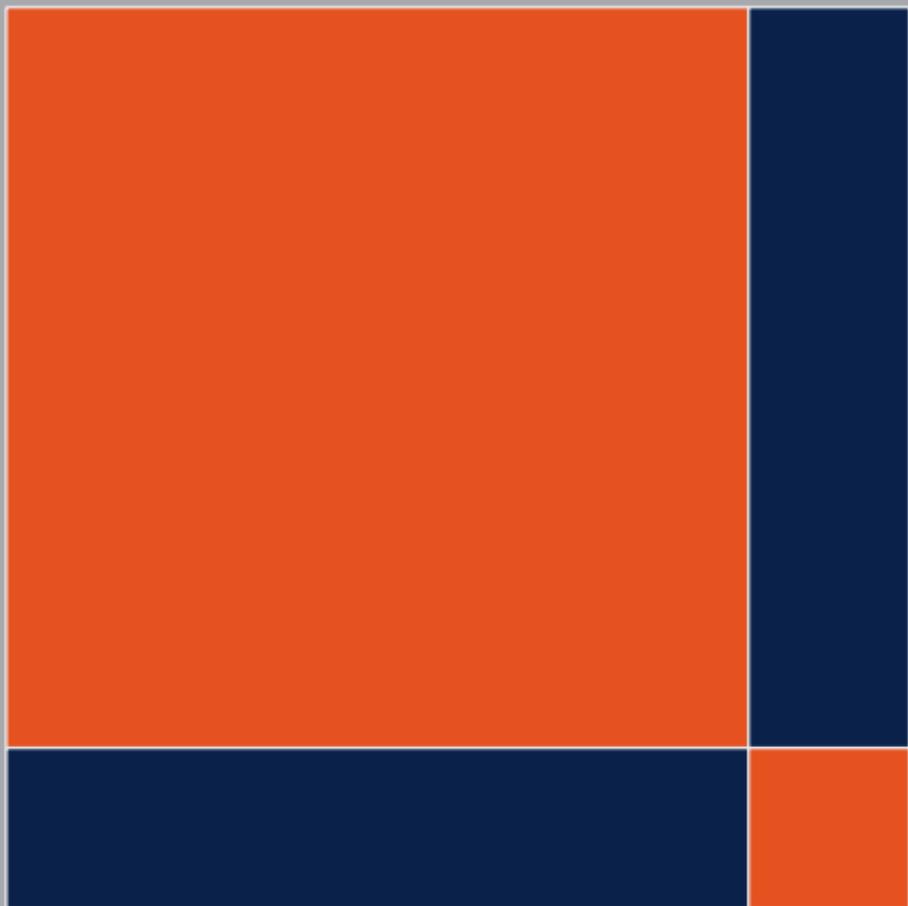
7

$$(a + b + c + \dots)^2$$



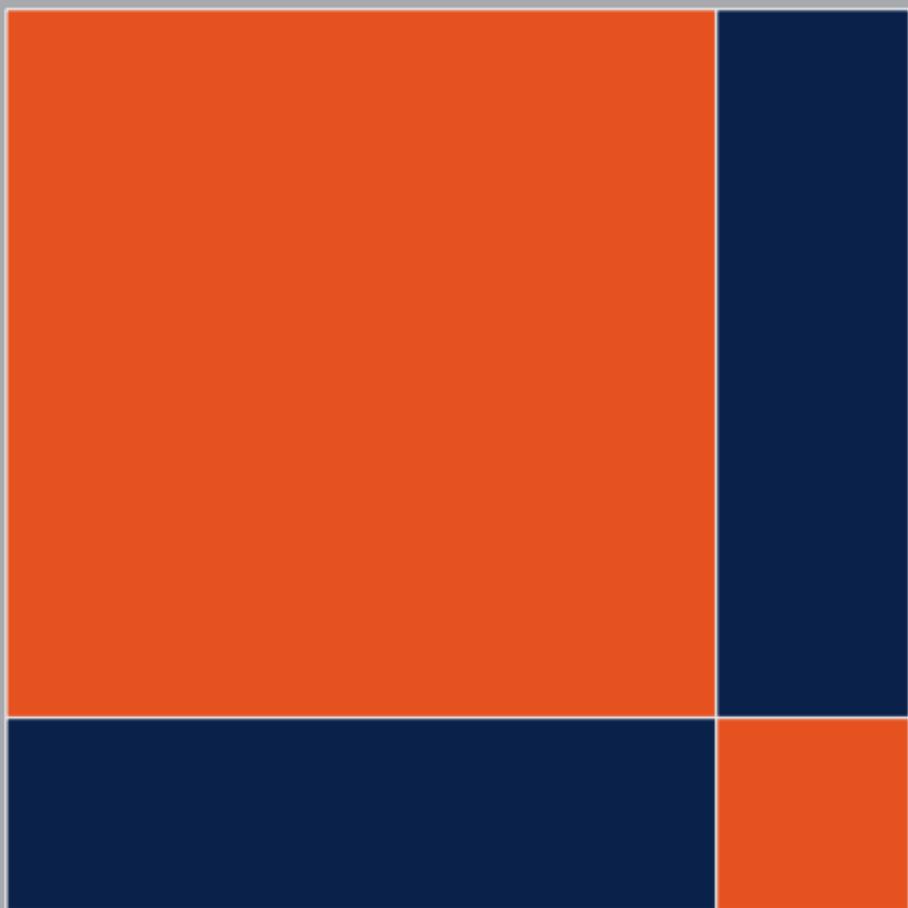


$$(a + b + c + \dots)^2$$



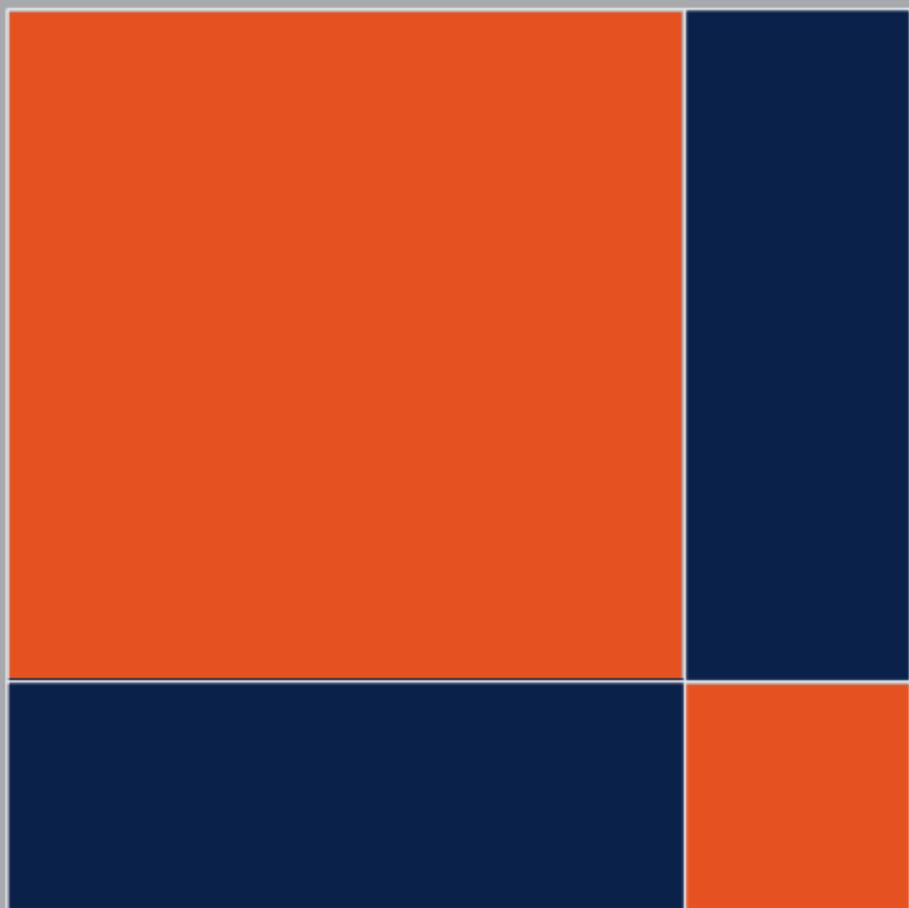


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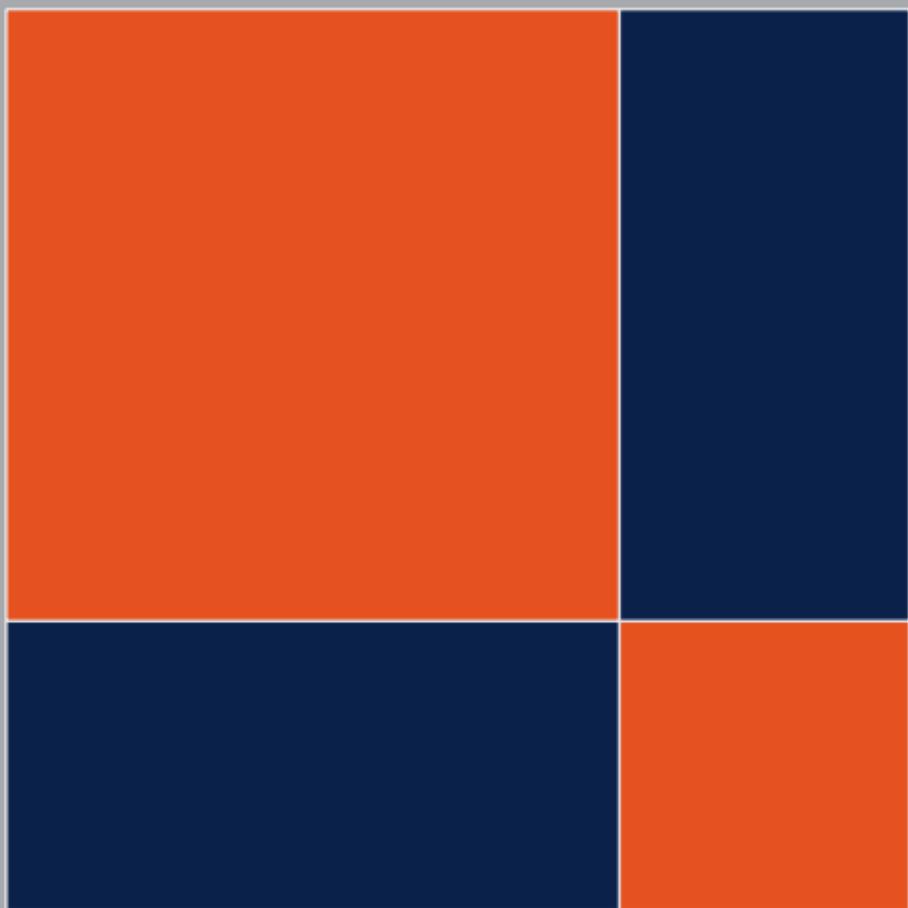


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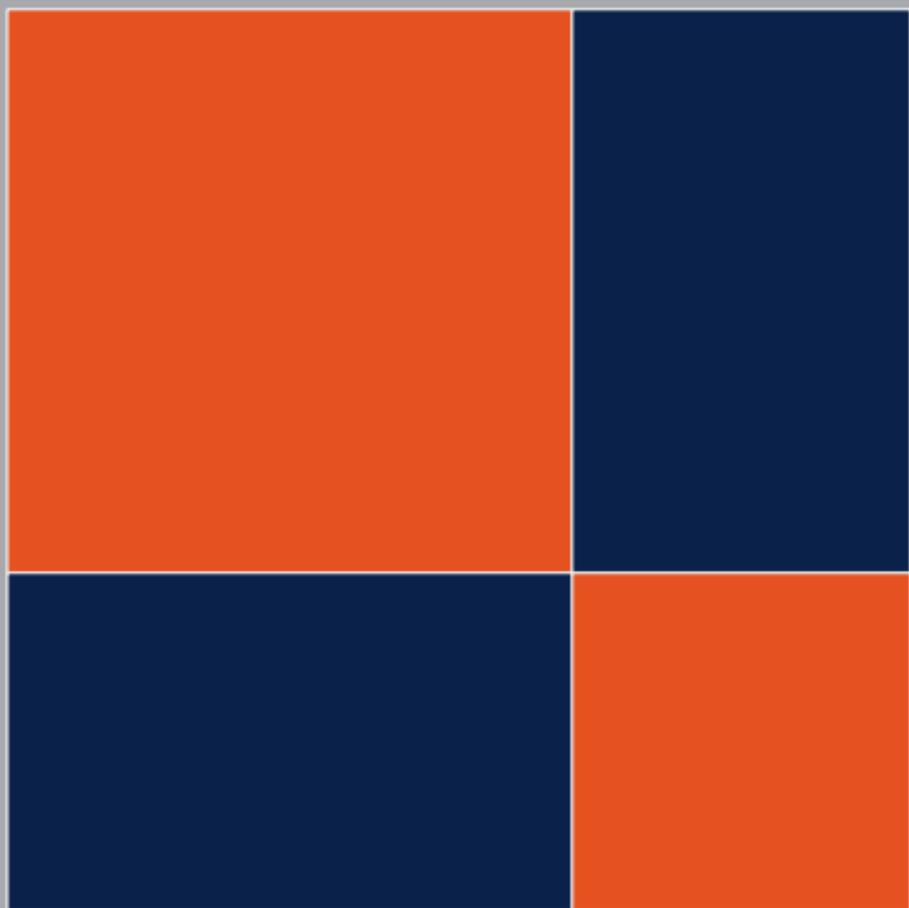


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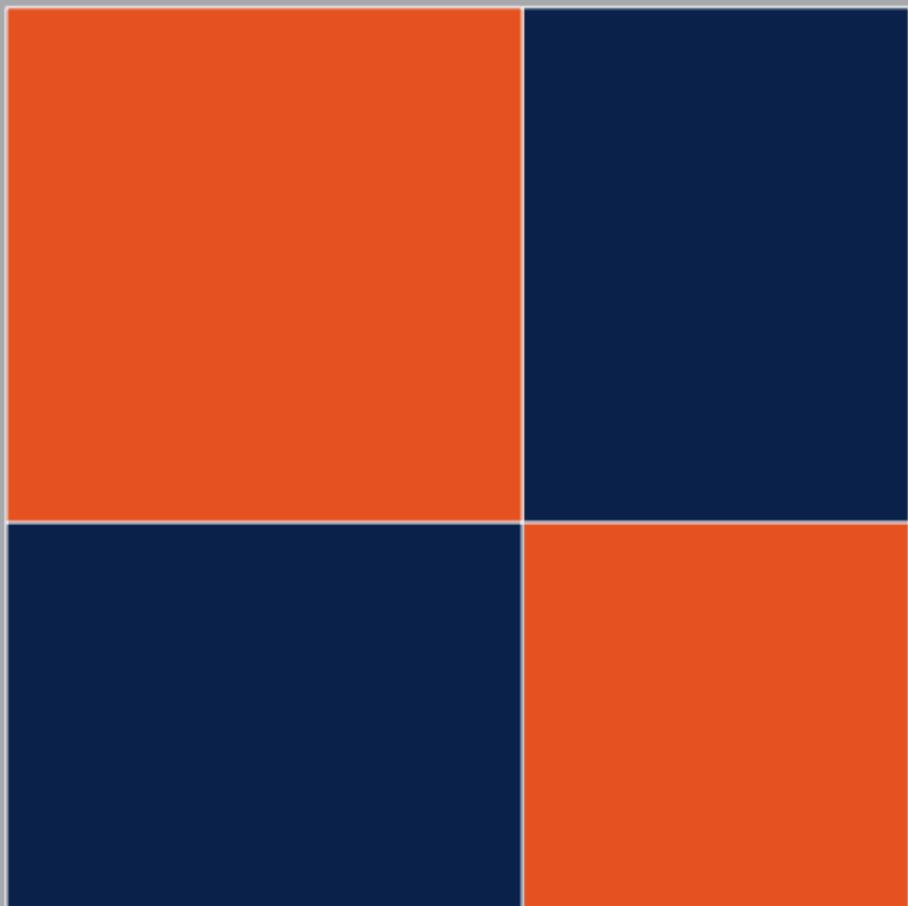


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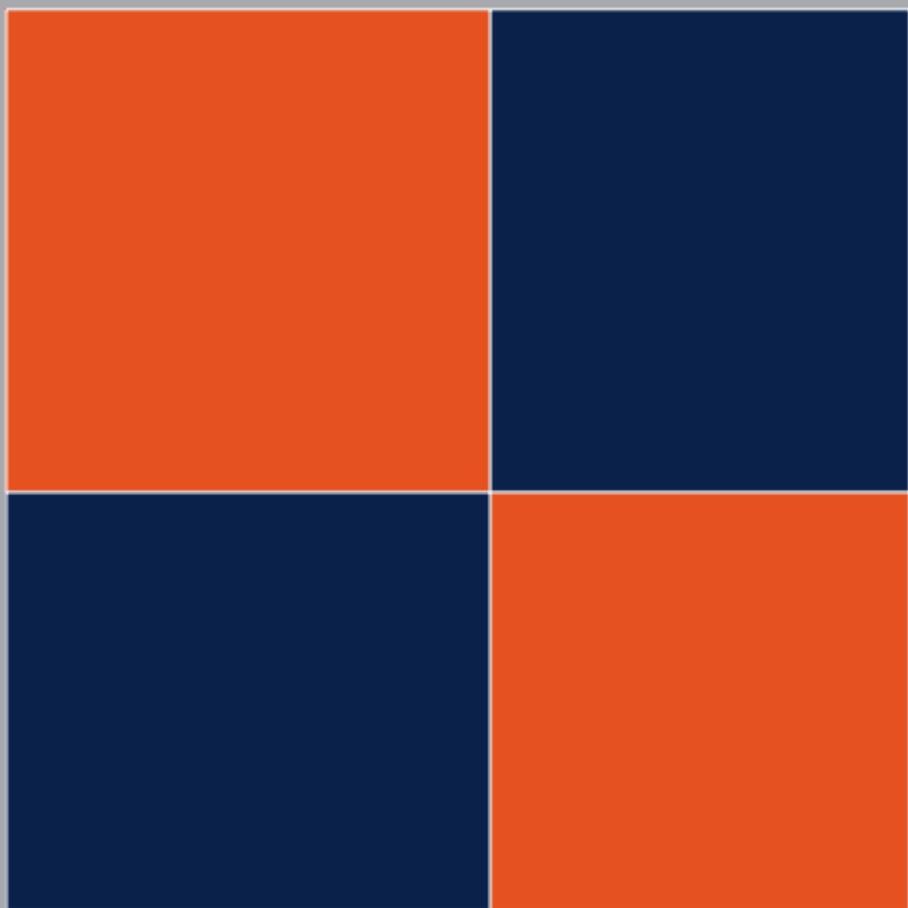


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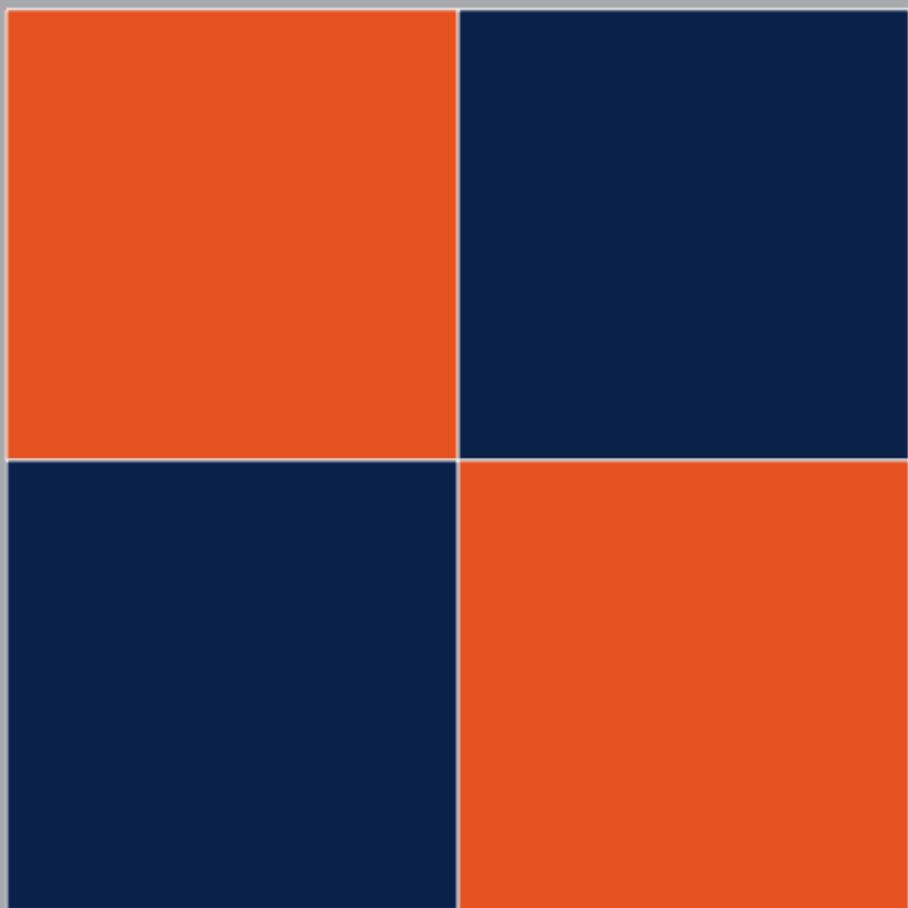


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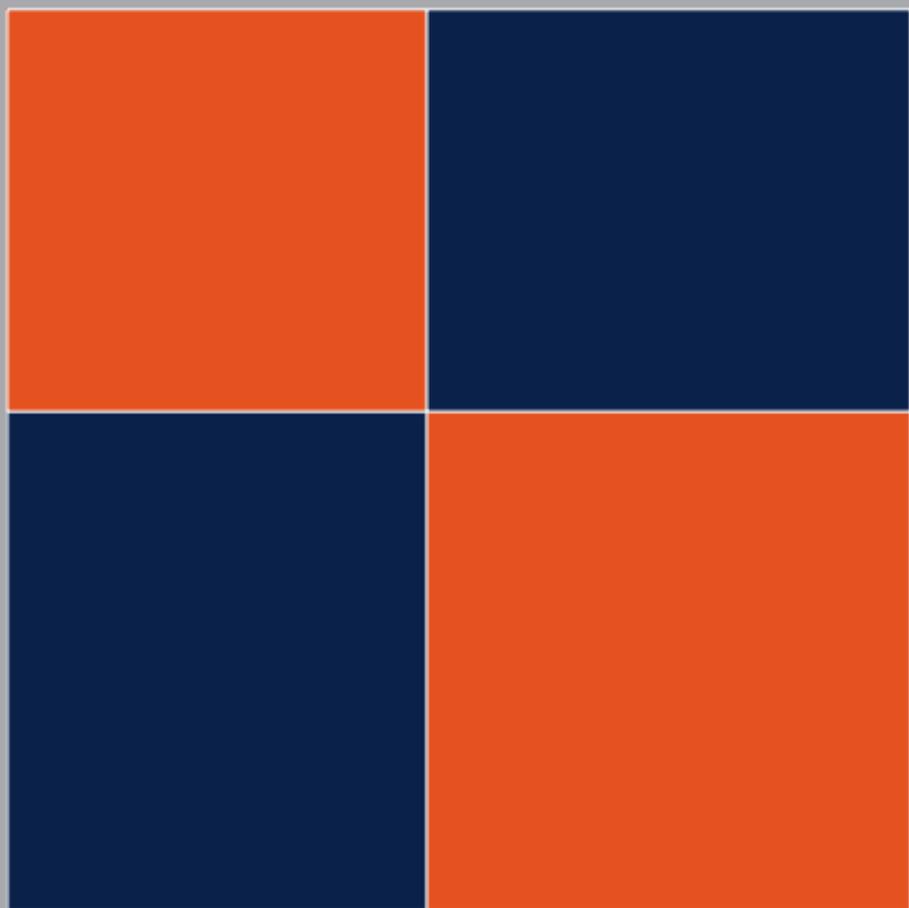


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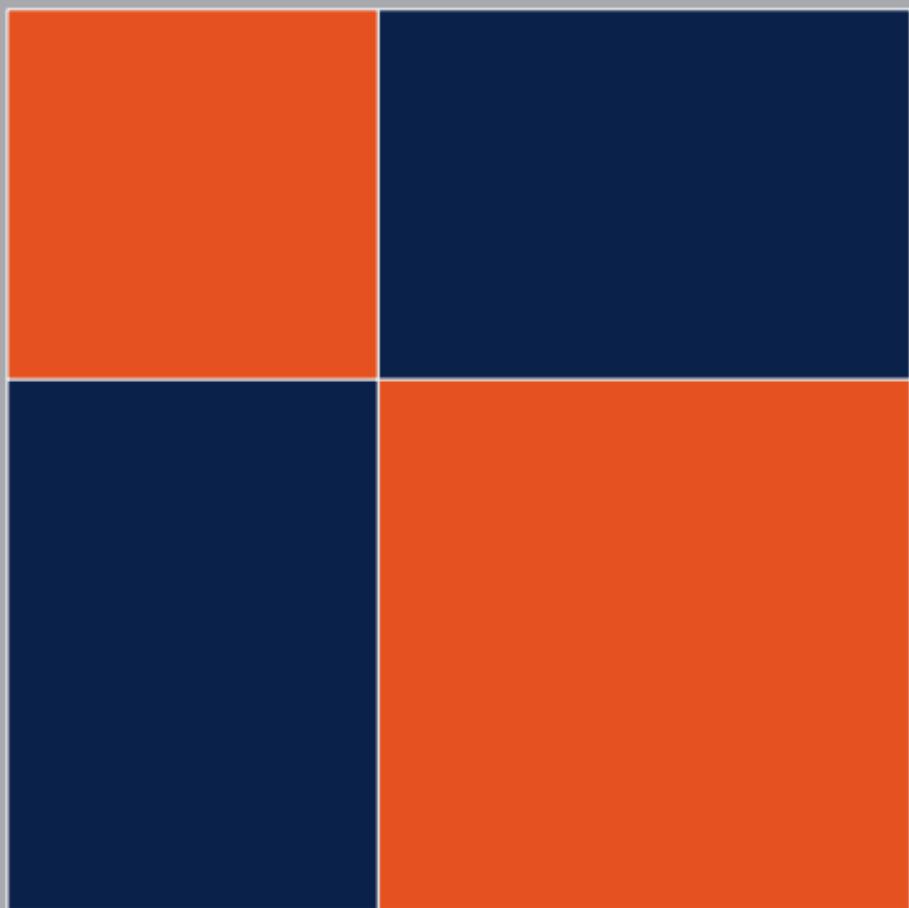


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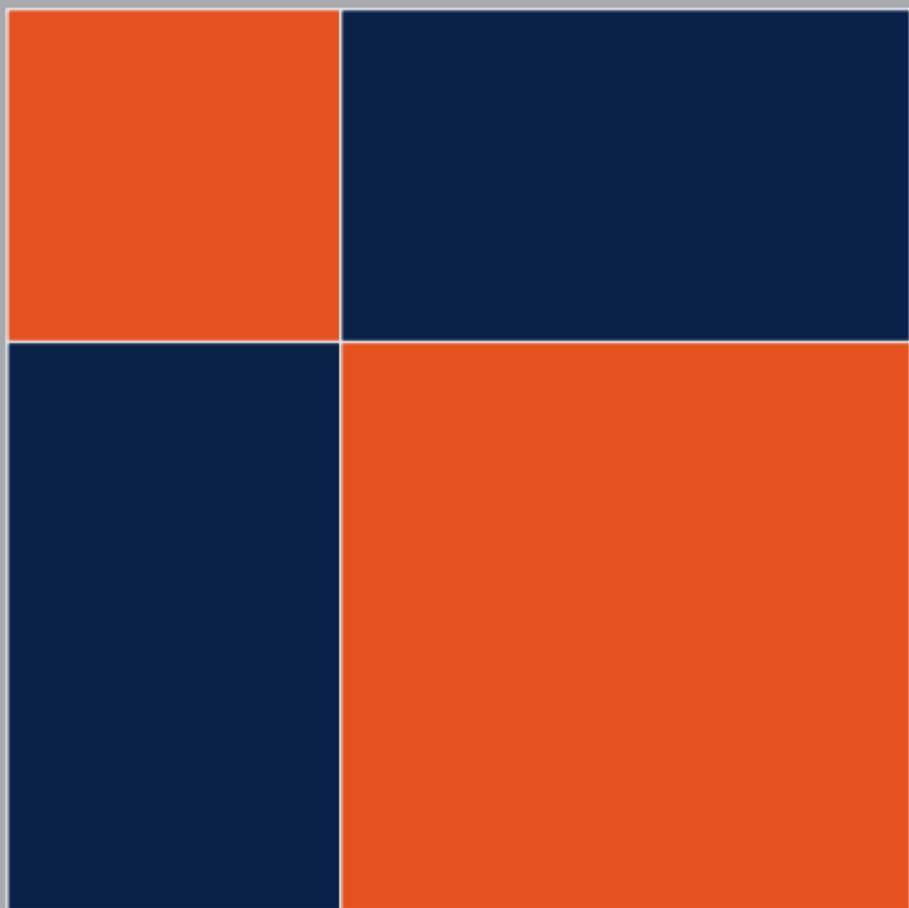


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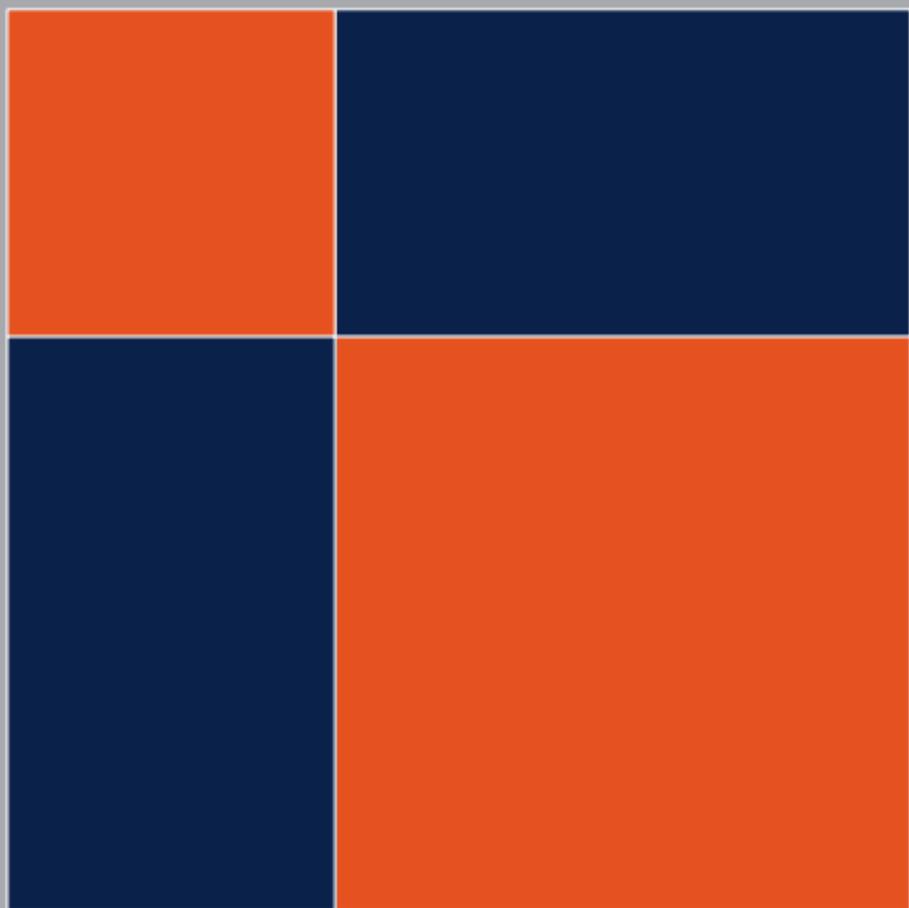


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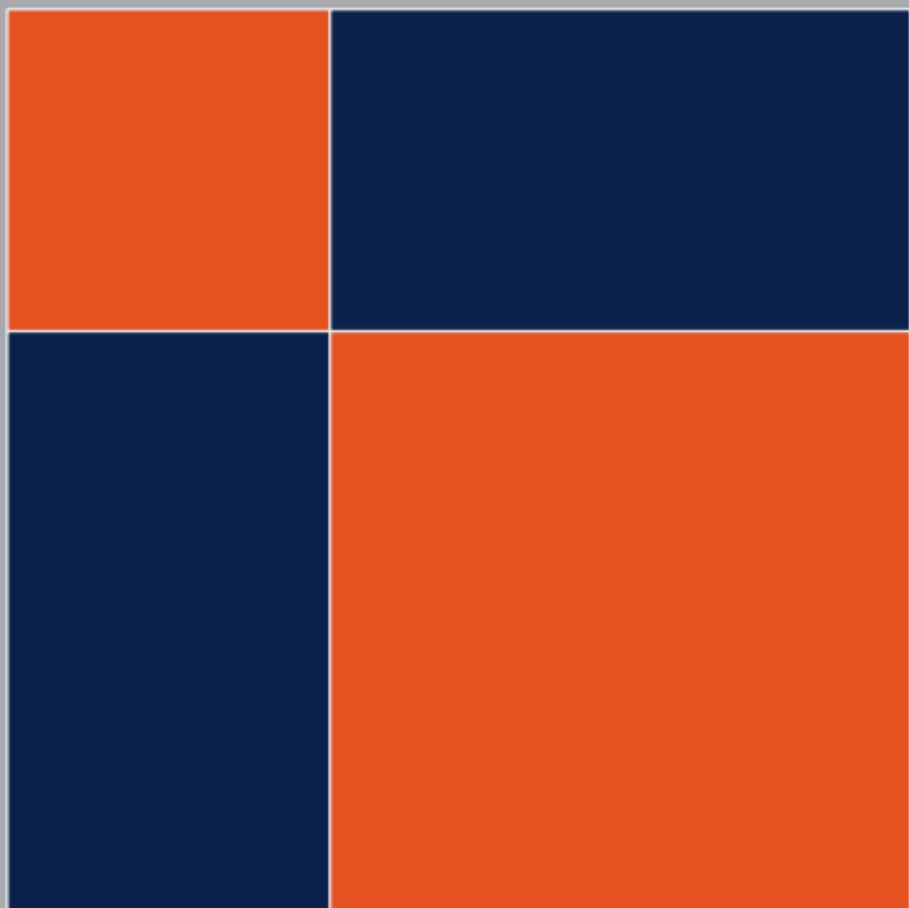


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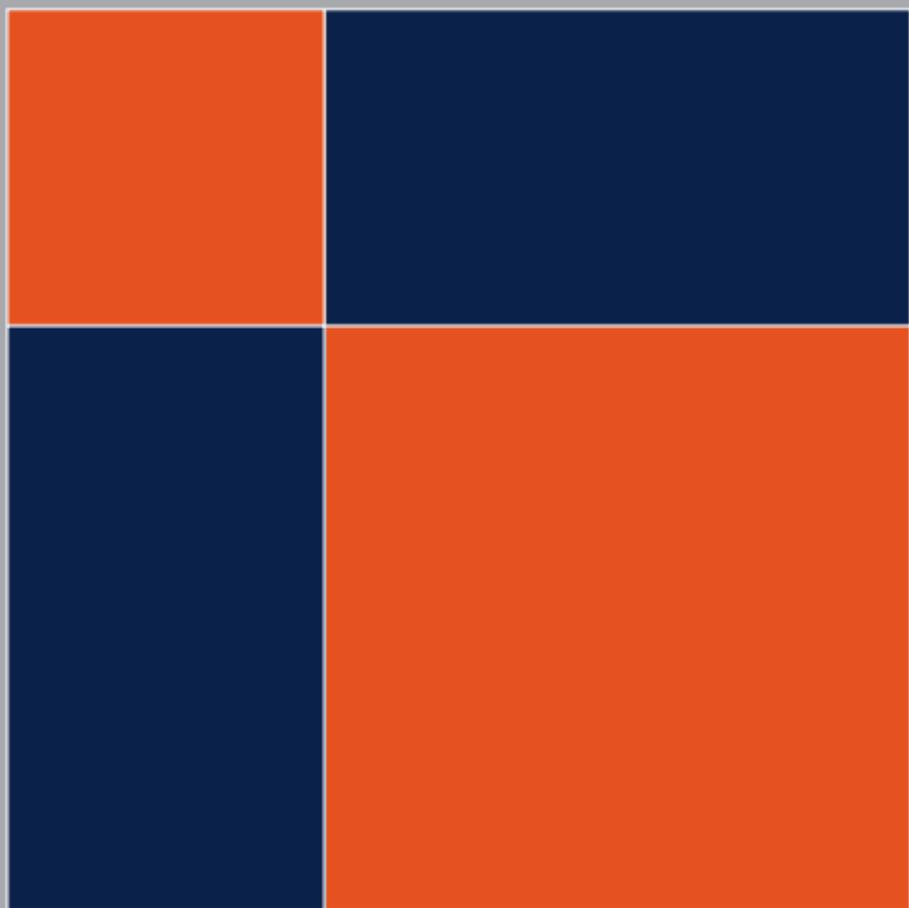


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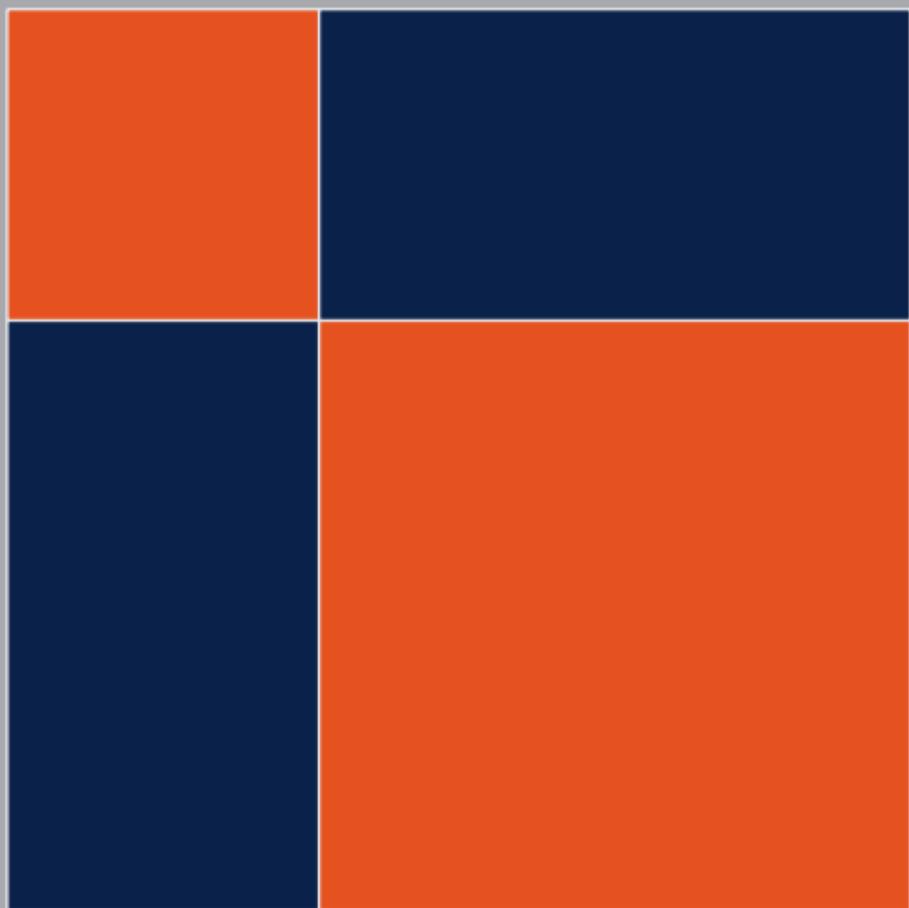


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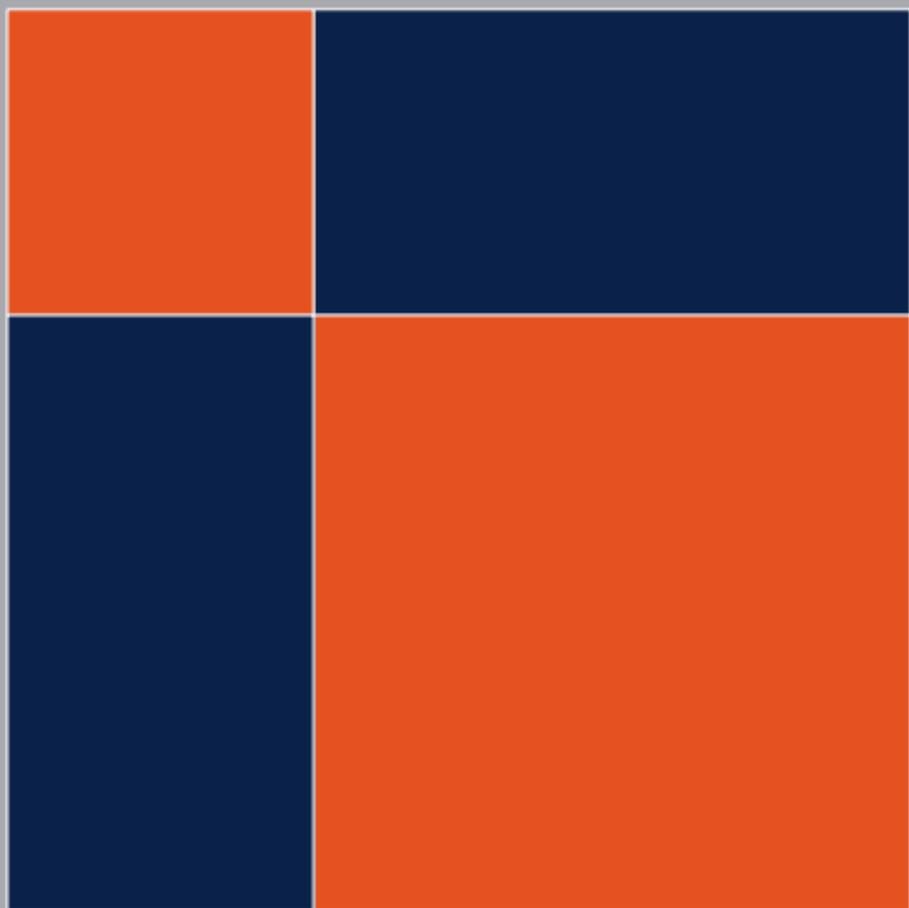


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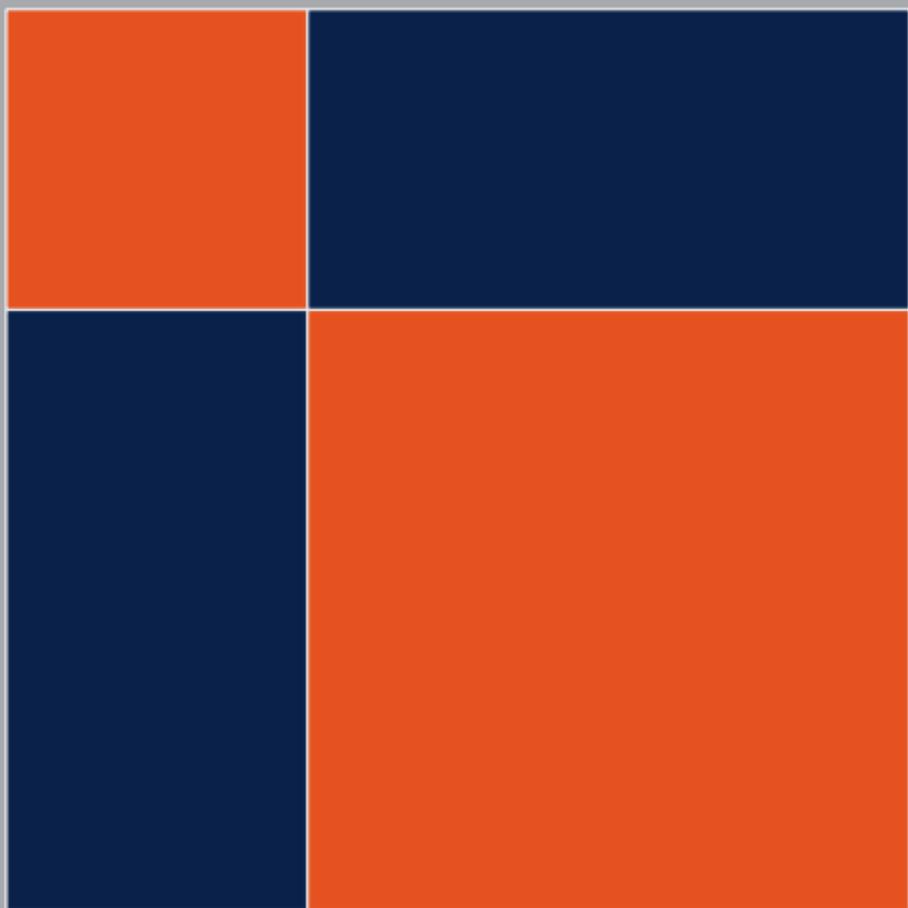


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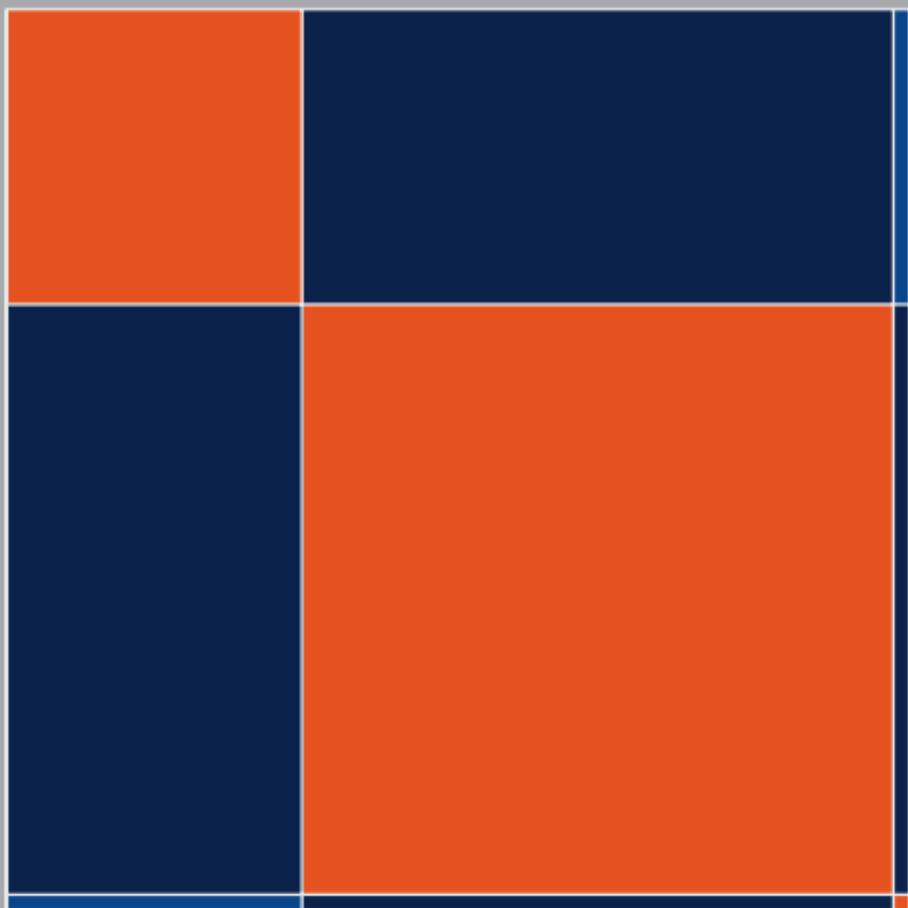


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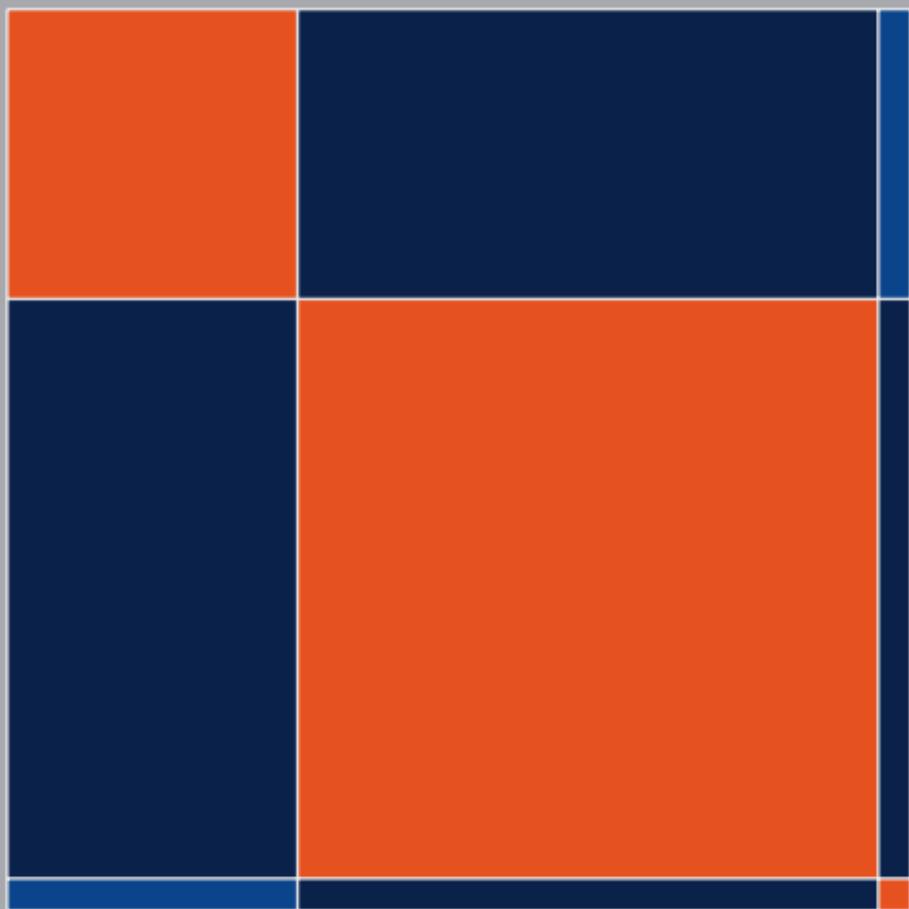


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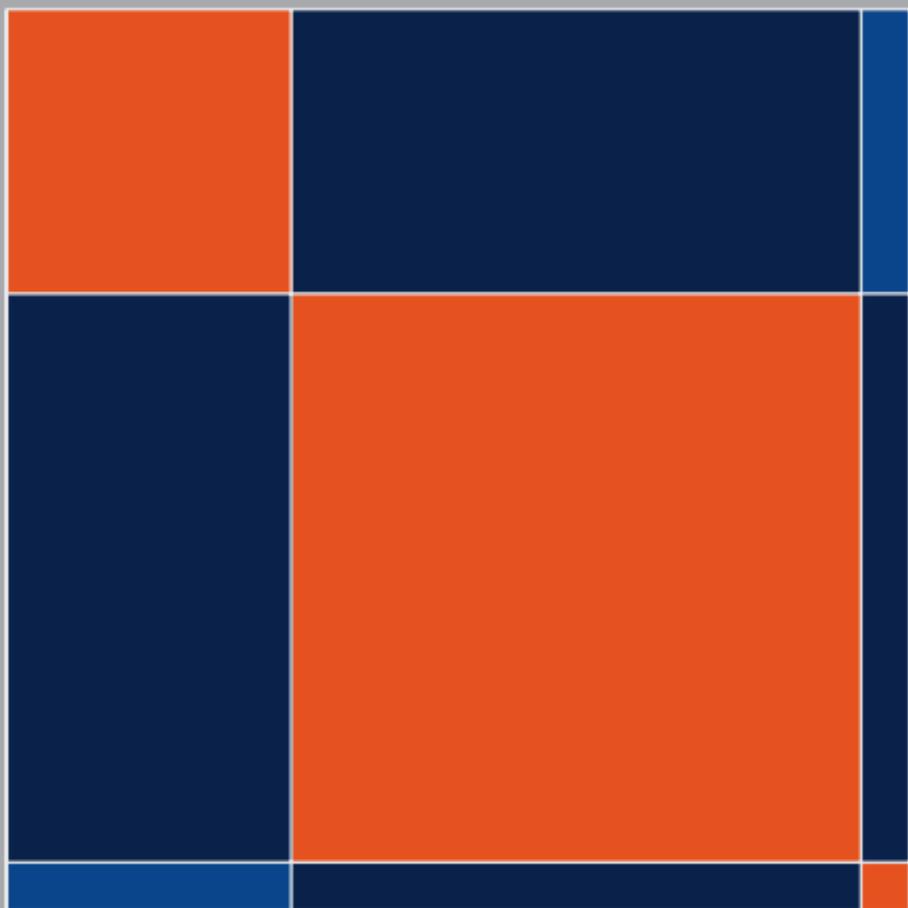


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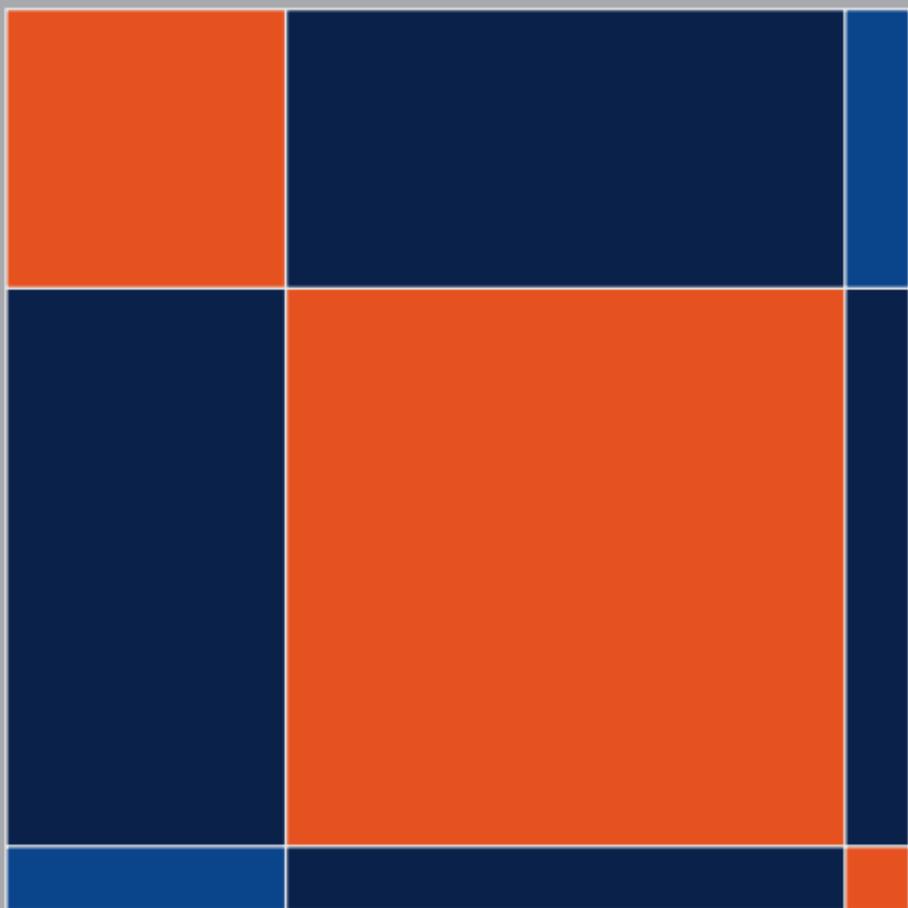


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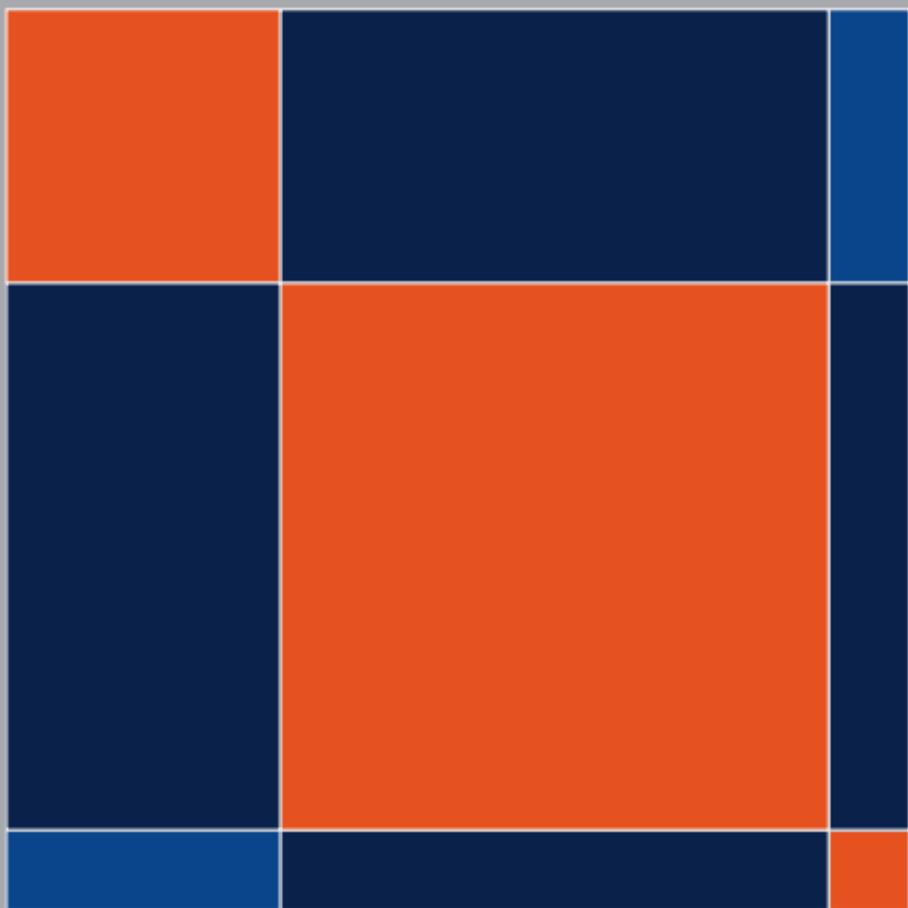


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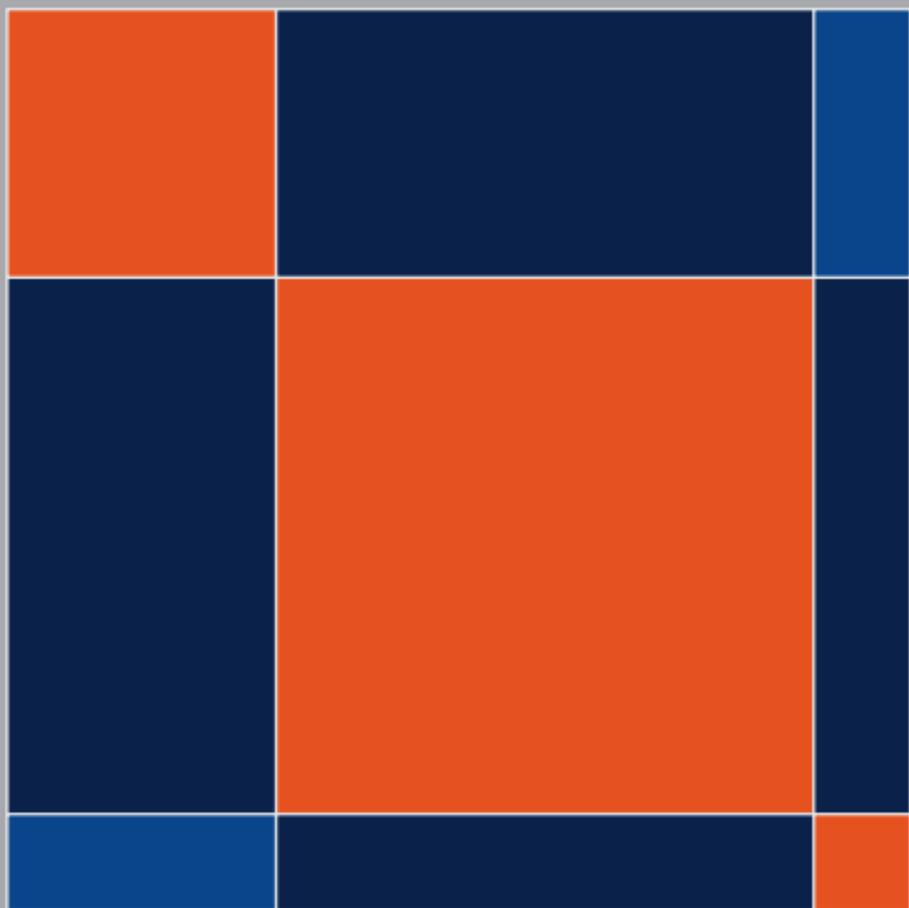


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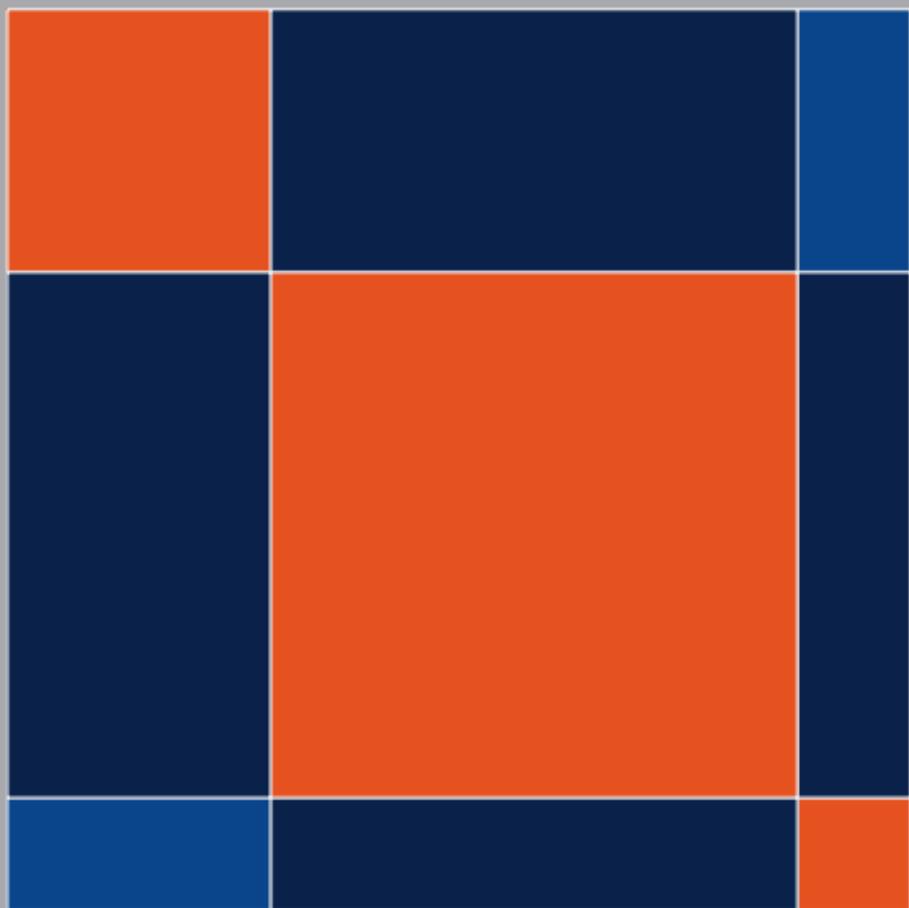


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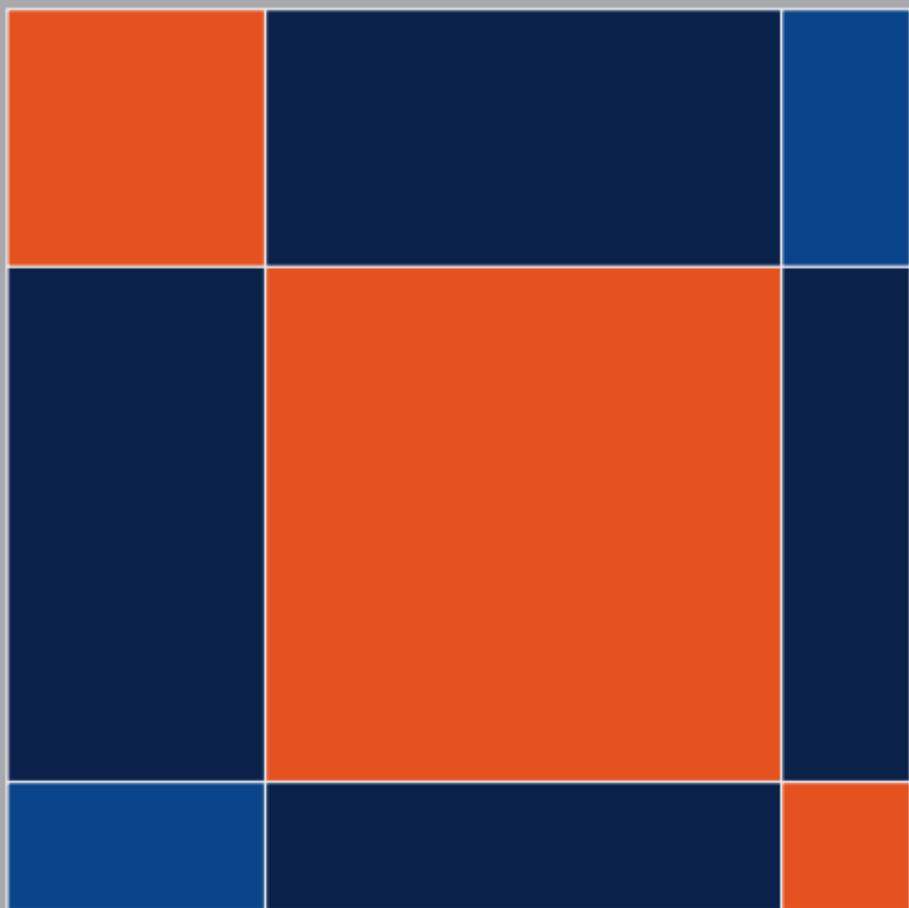


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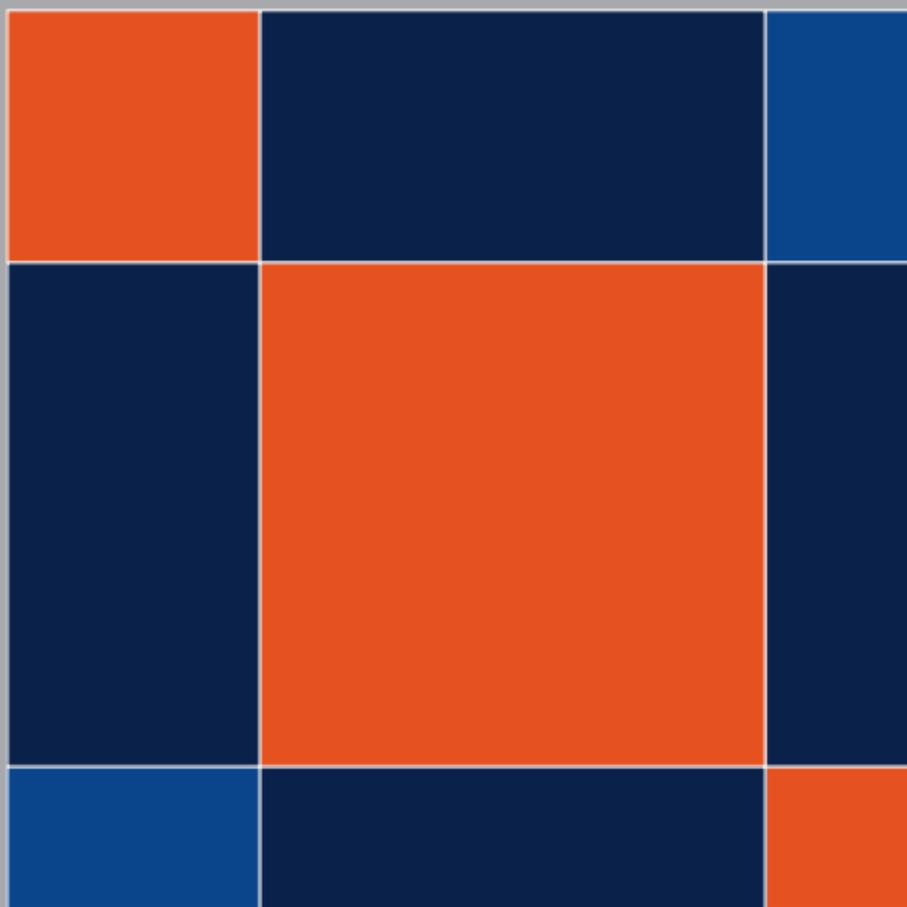


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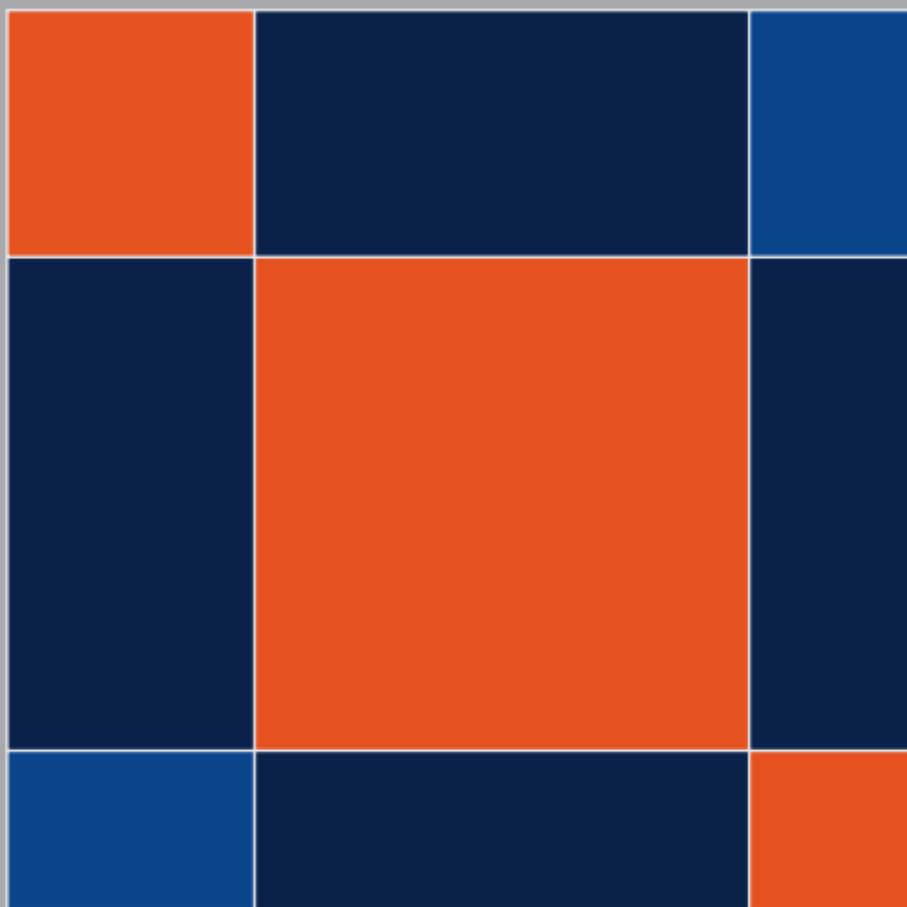


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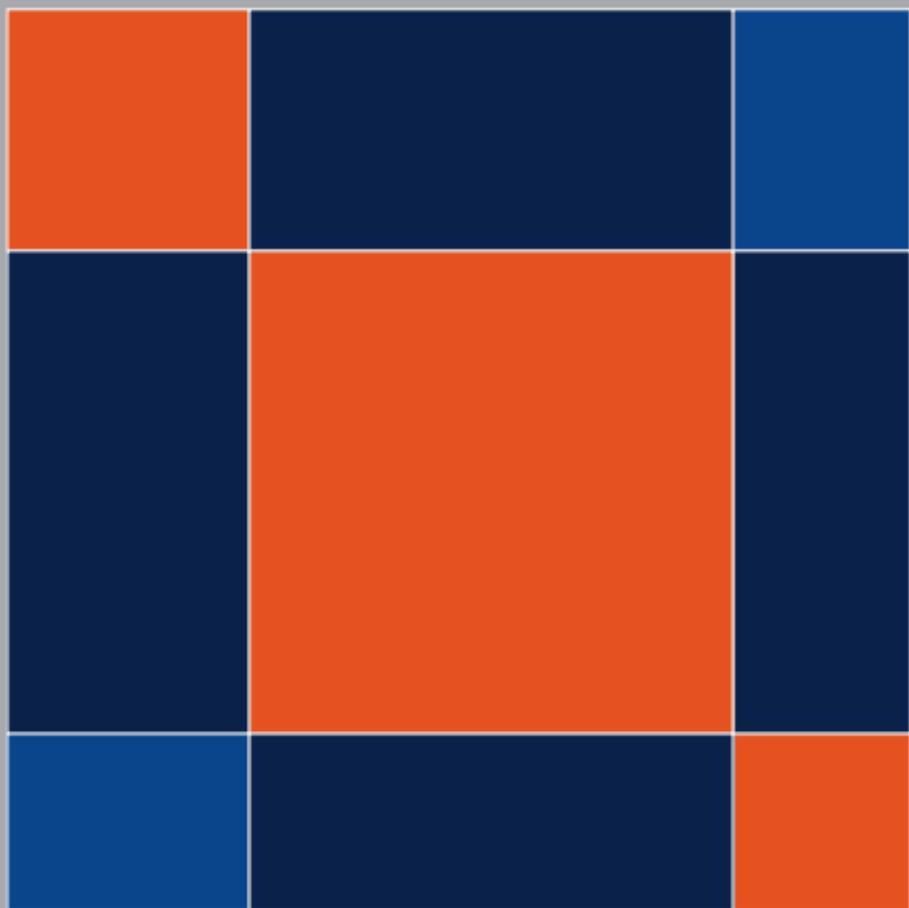


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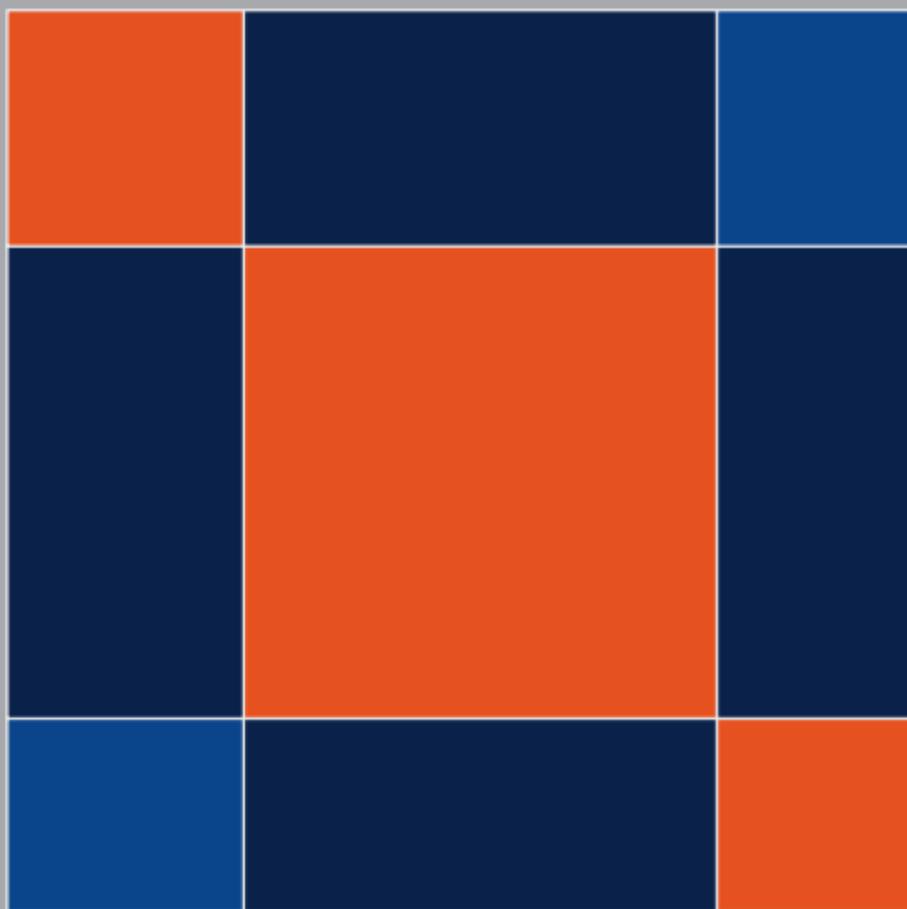


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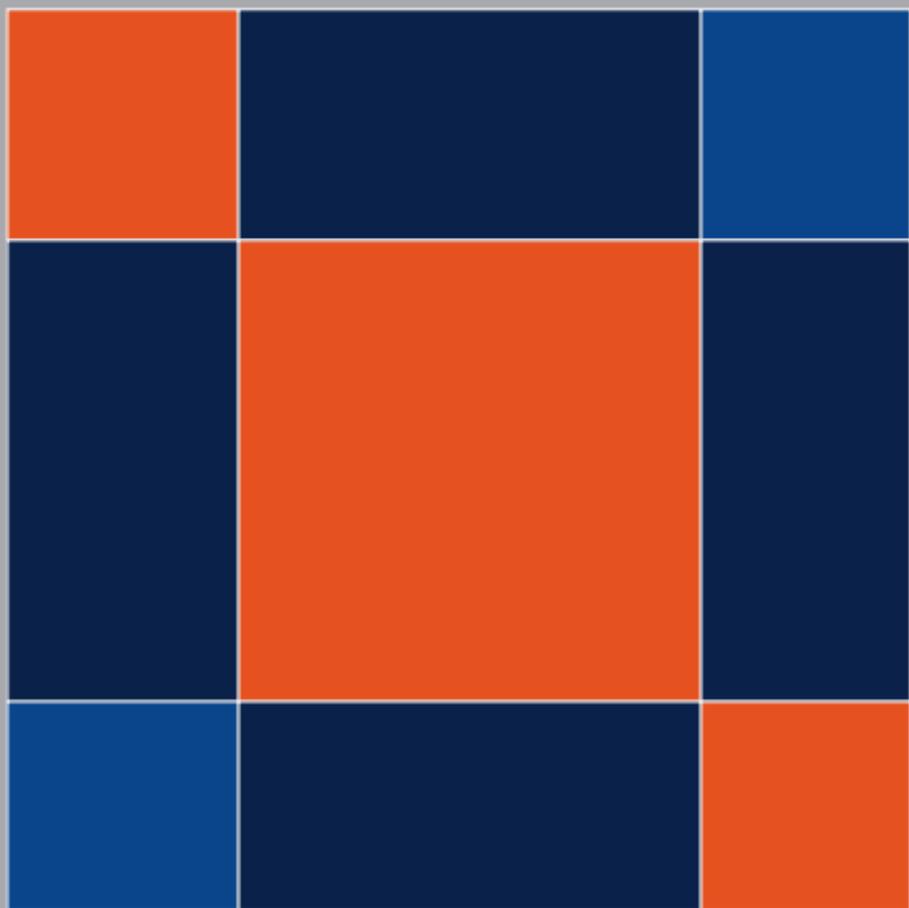


$$(a + b + c + \dots)^2$$



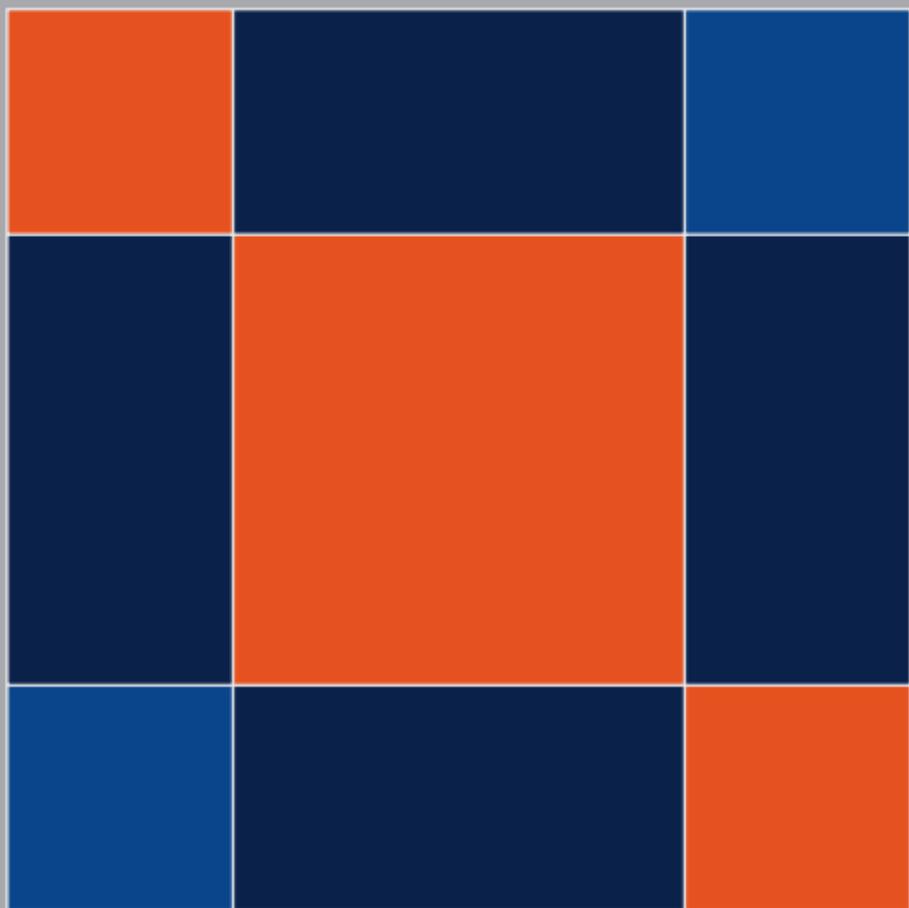


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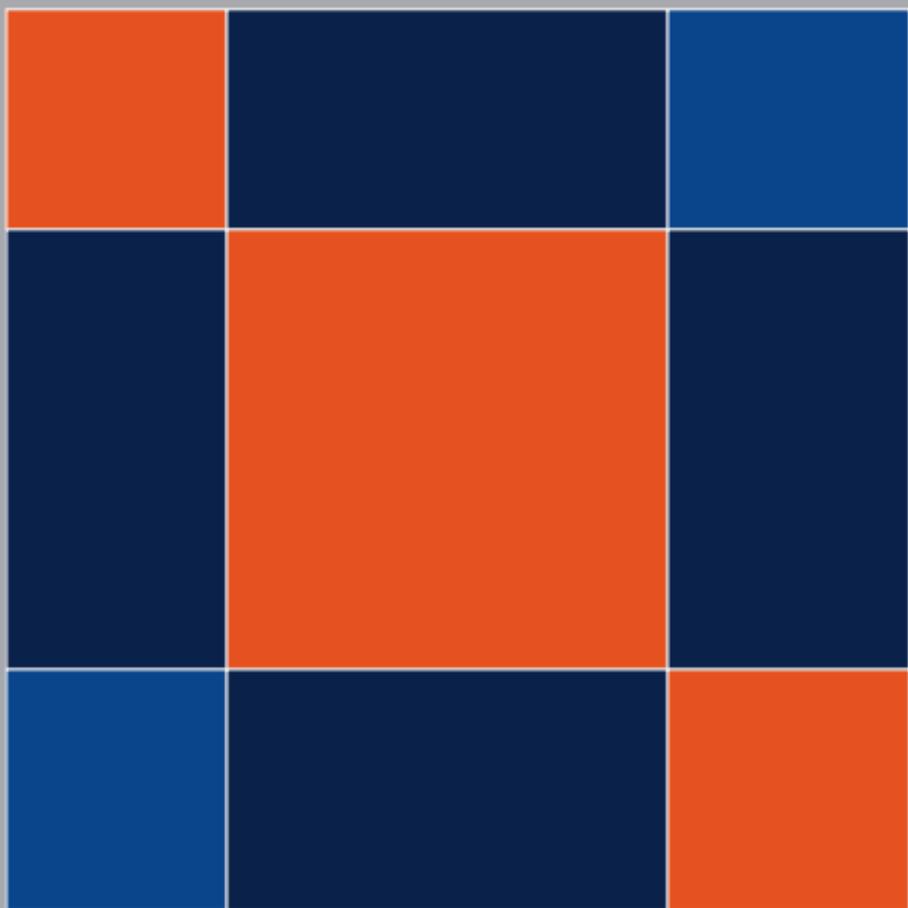


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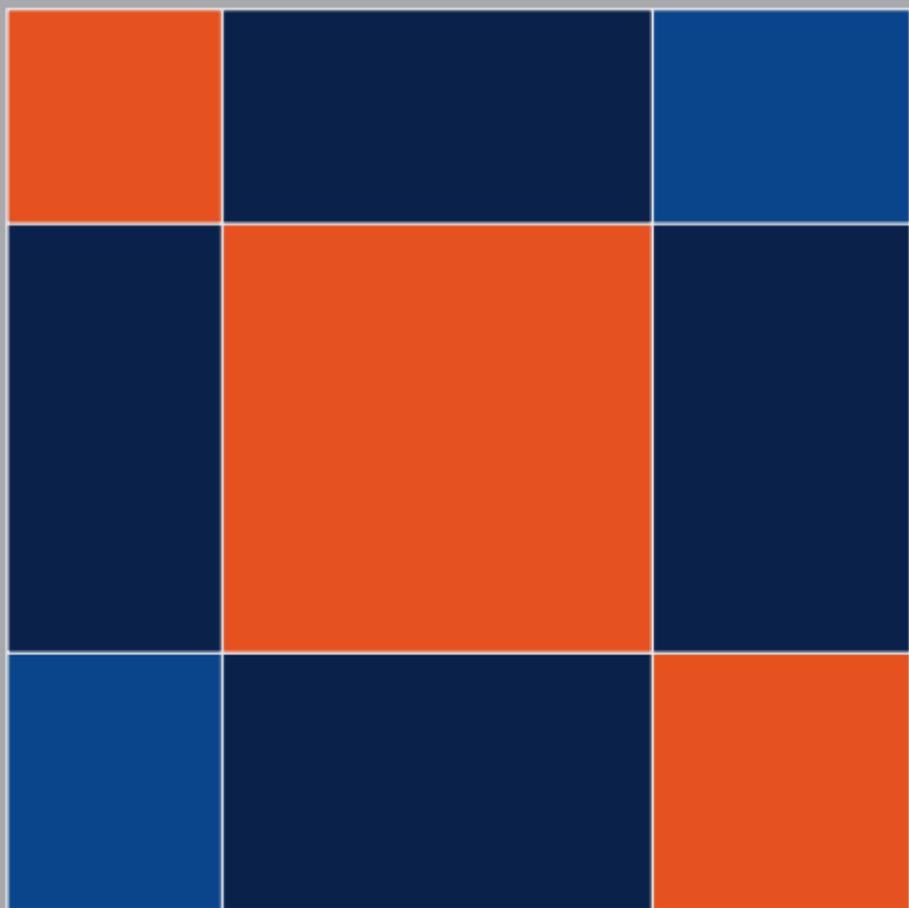


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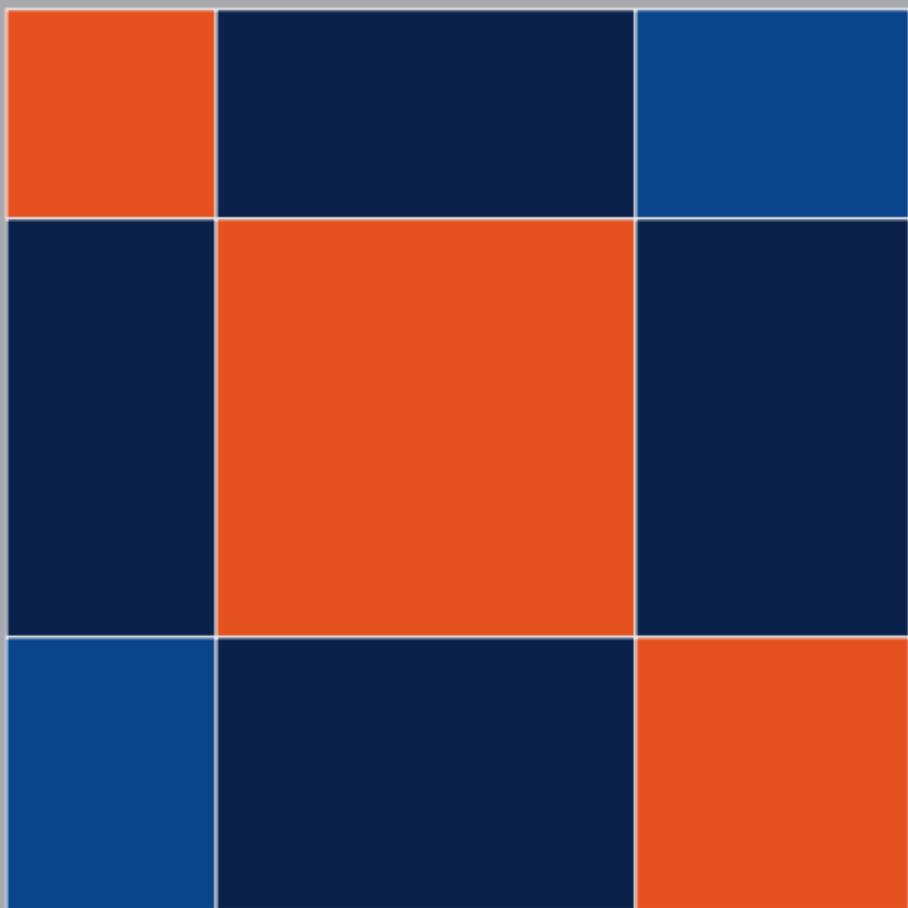


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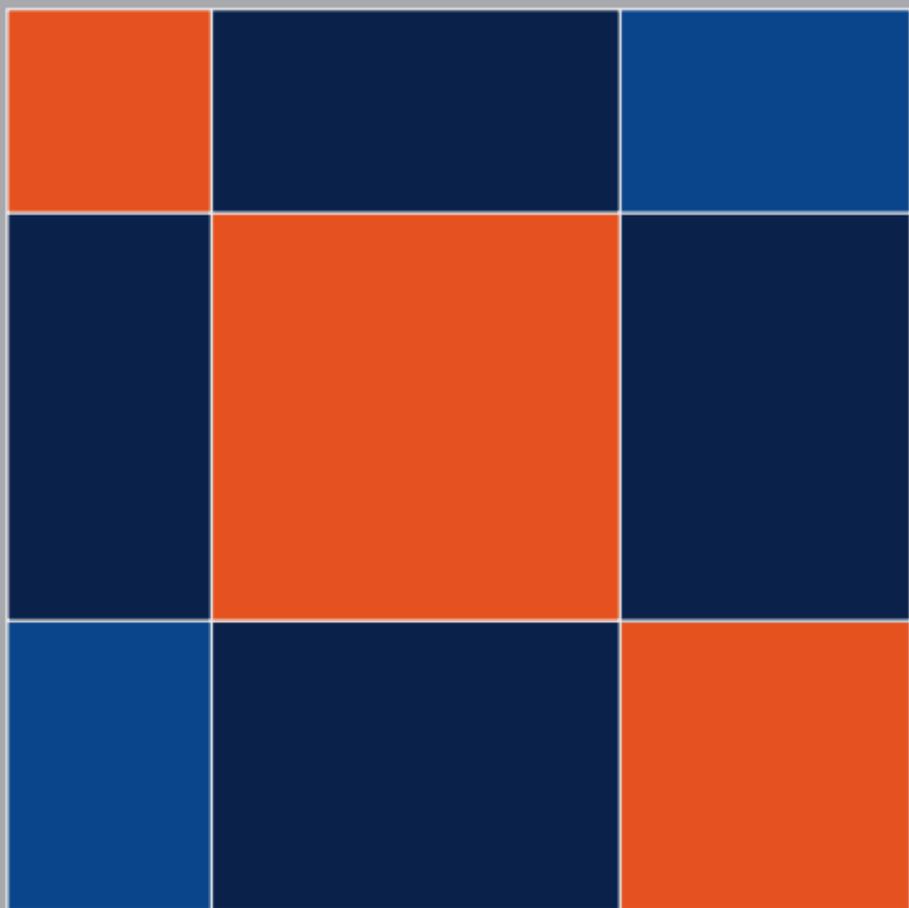


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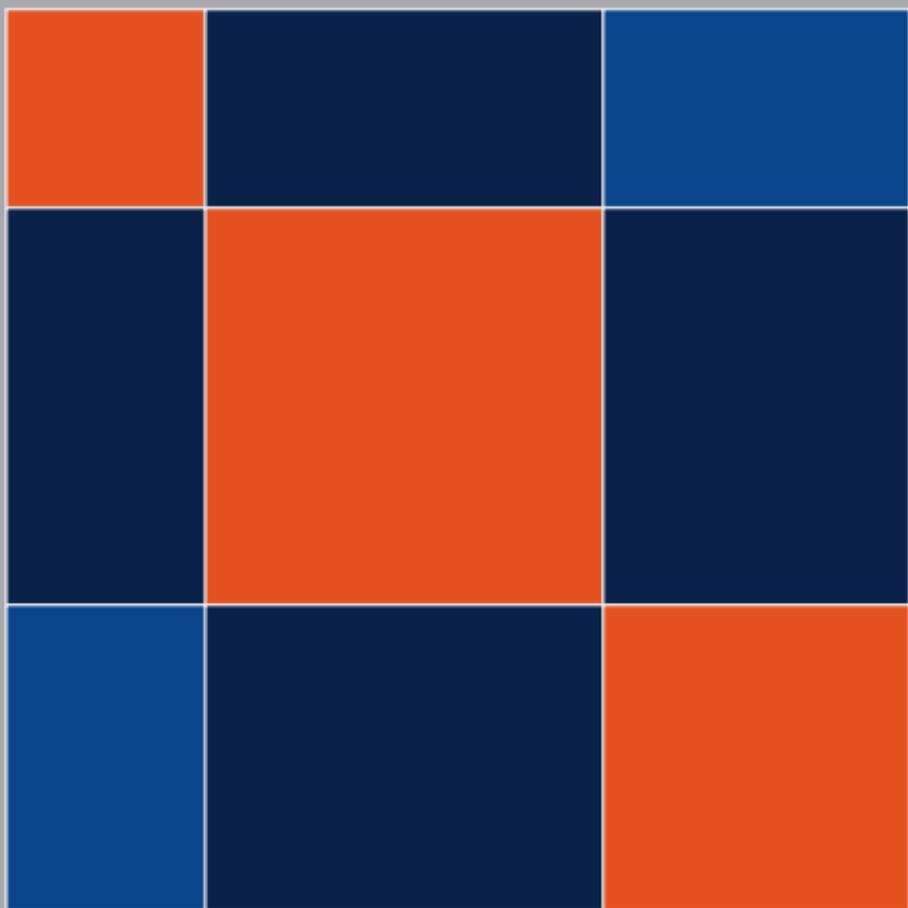


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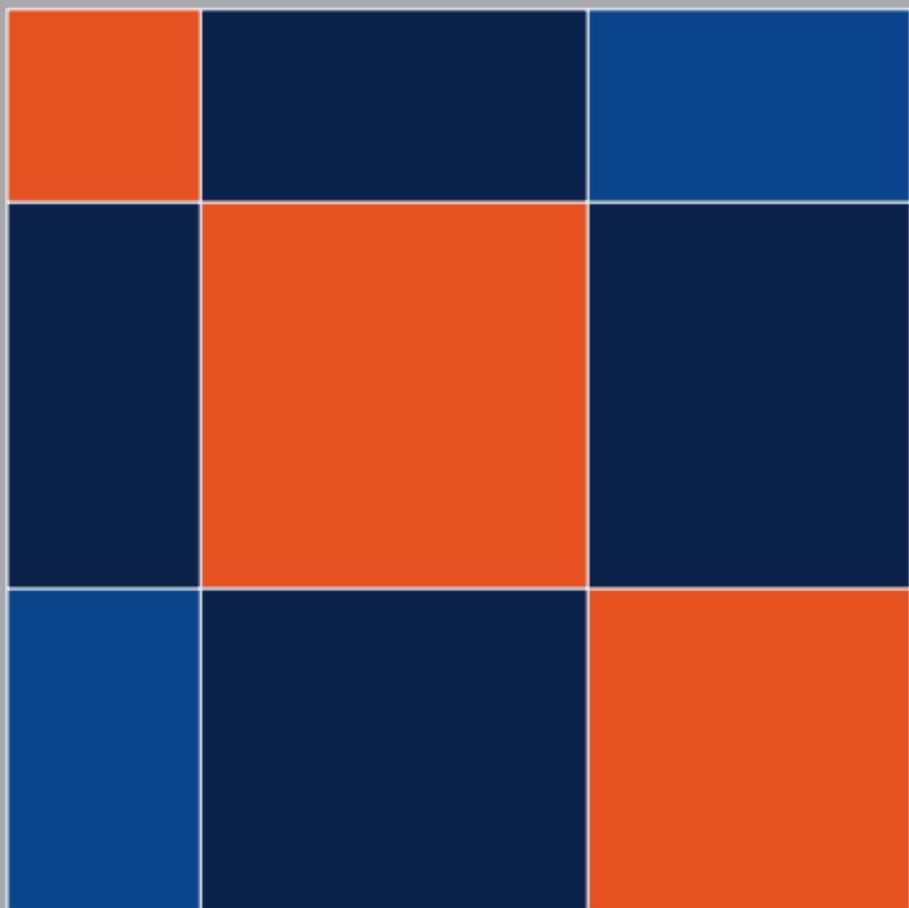


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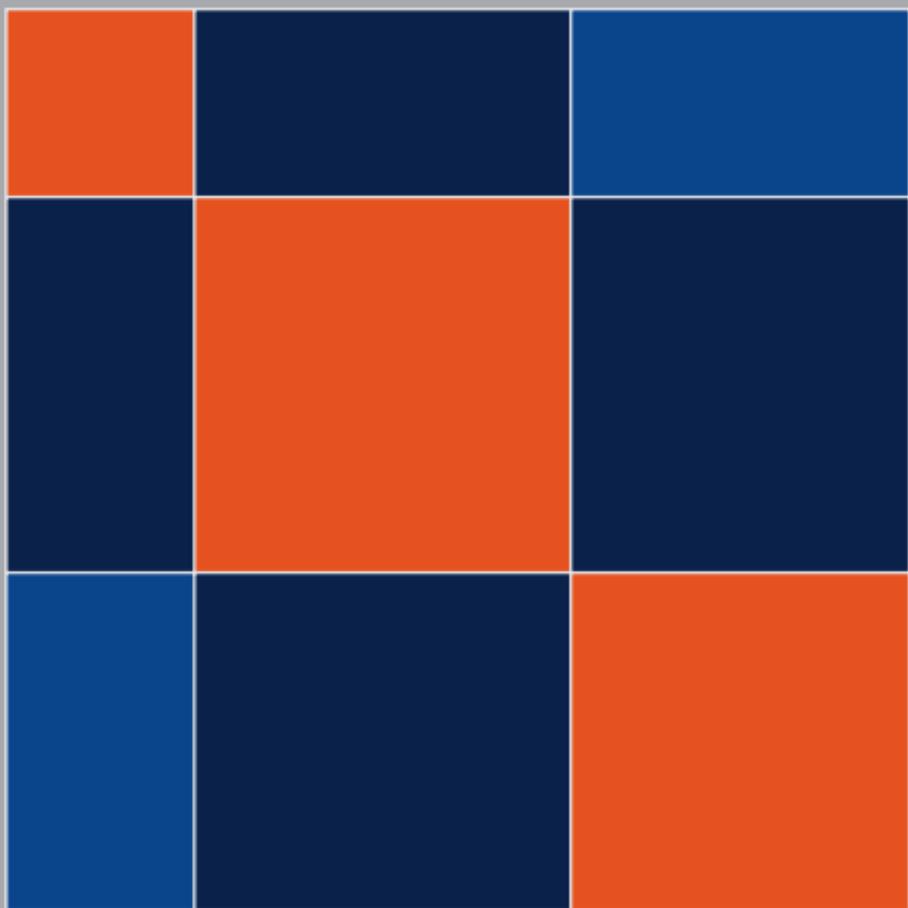


$$(a + b + c + \dots)^2$$



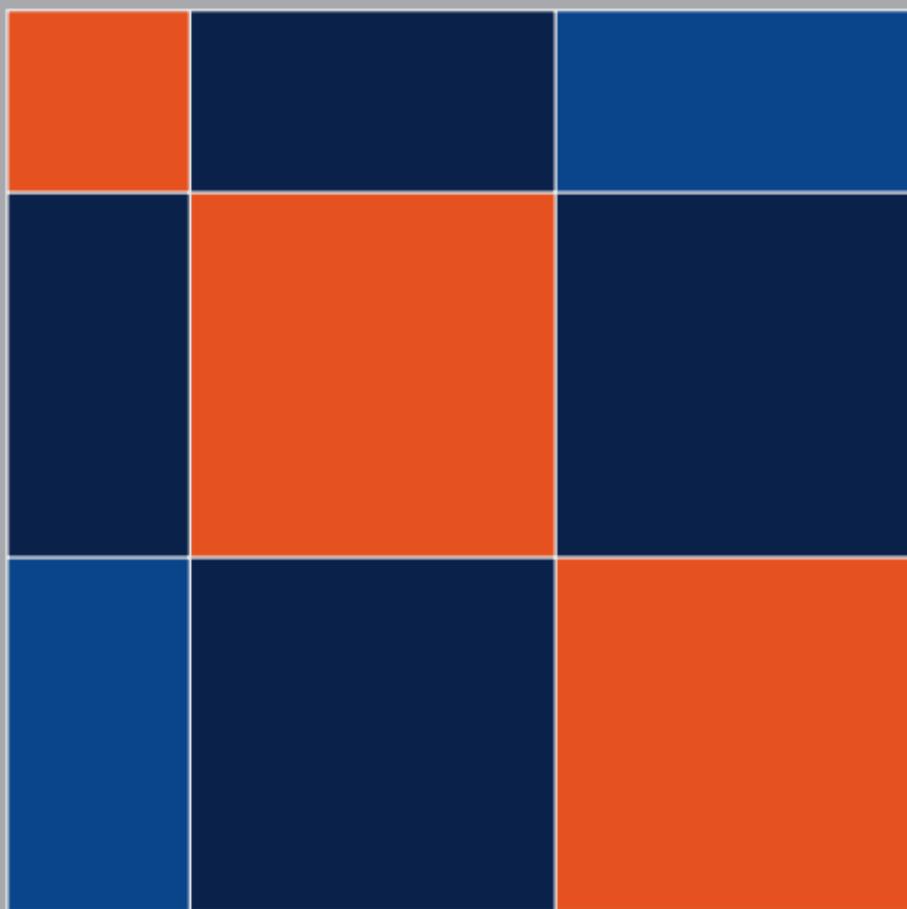


$$(a + b + c + \dots)^2$$



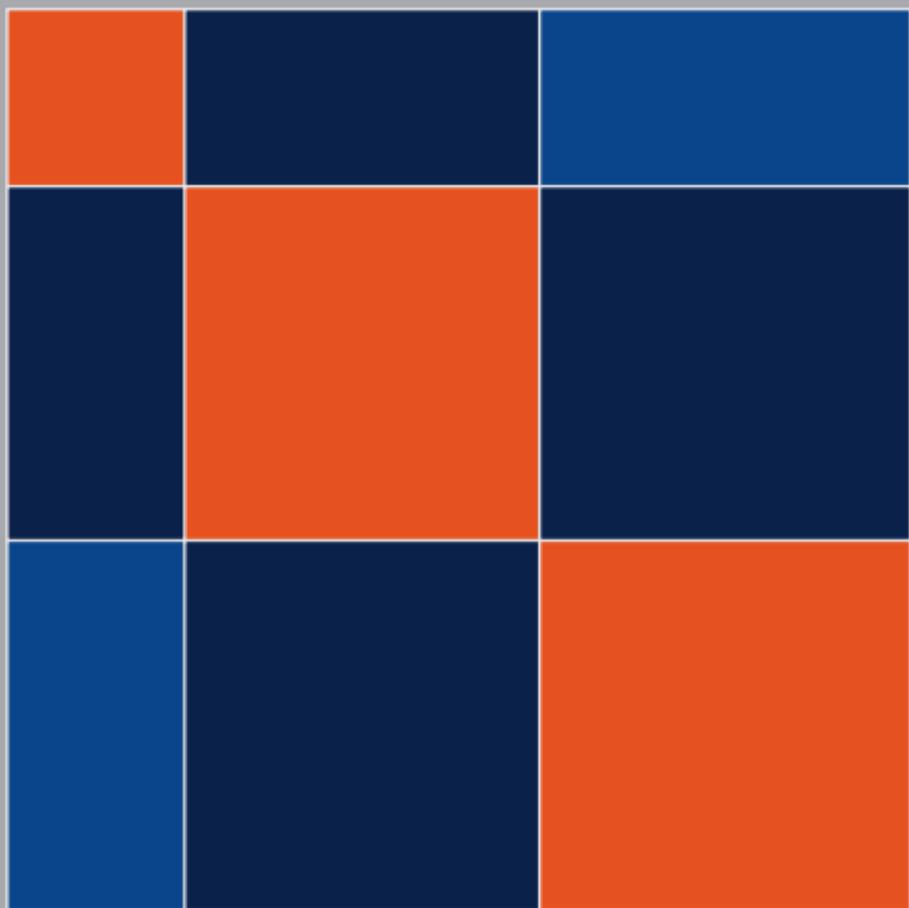


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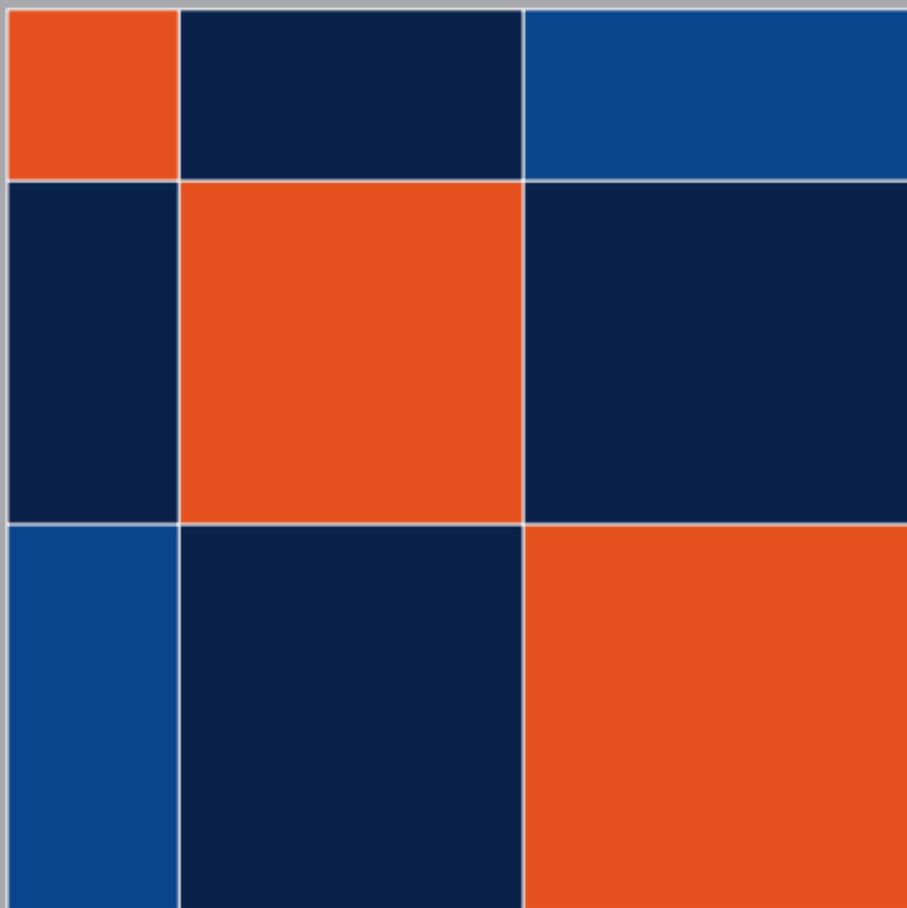


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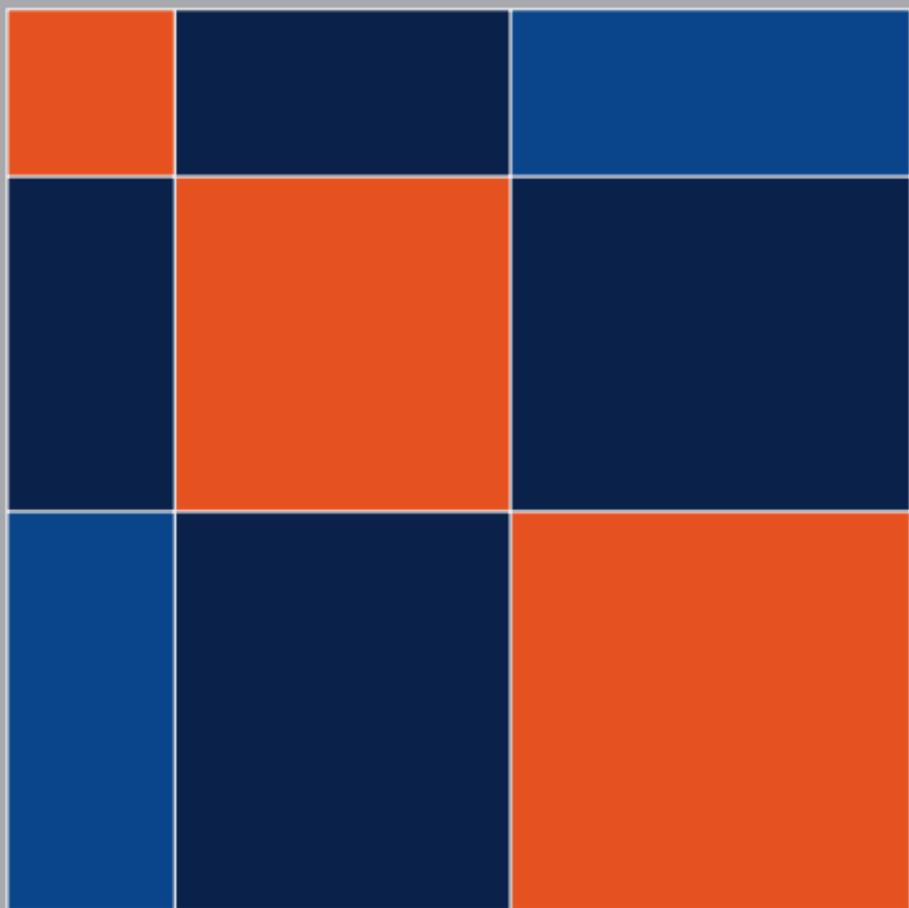


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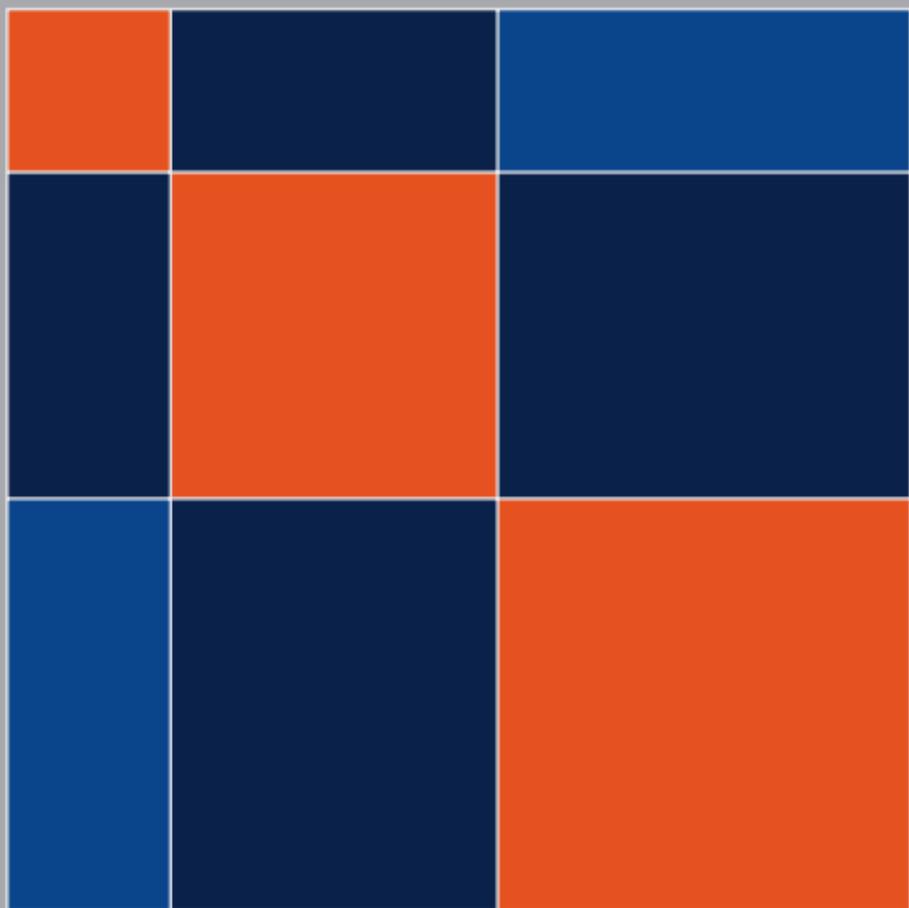


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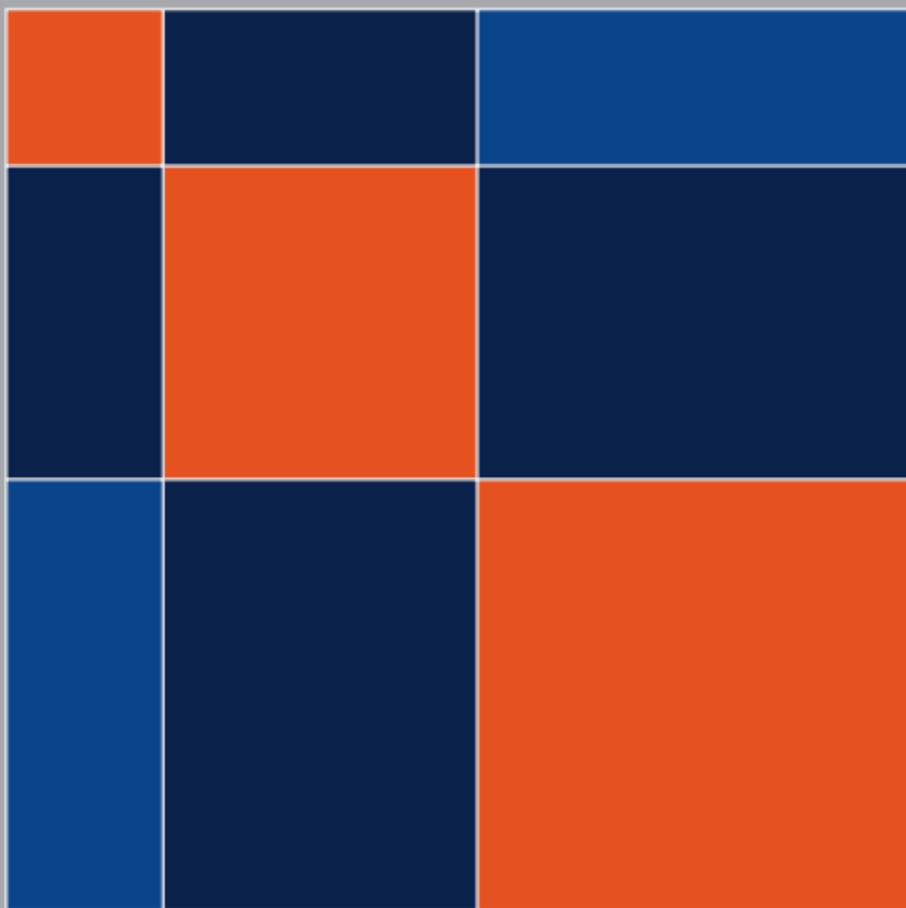


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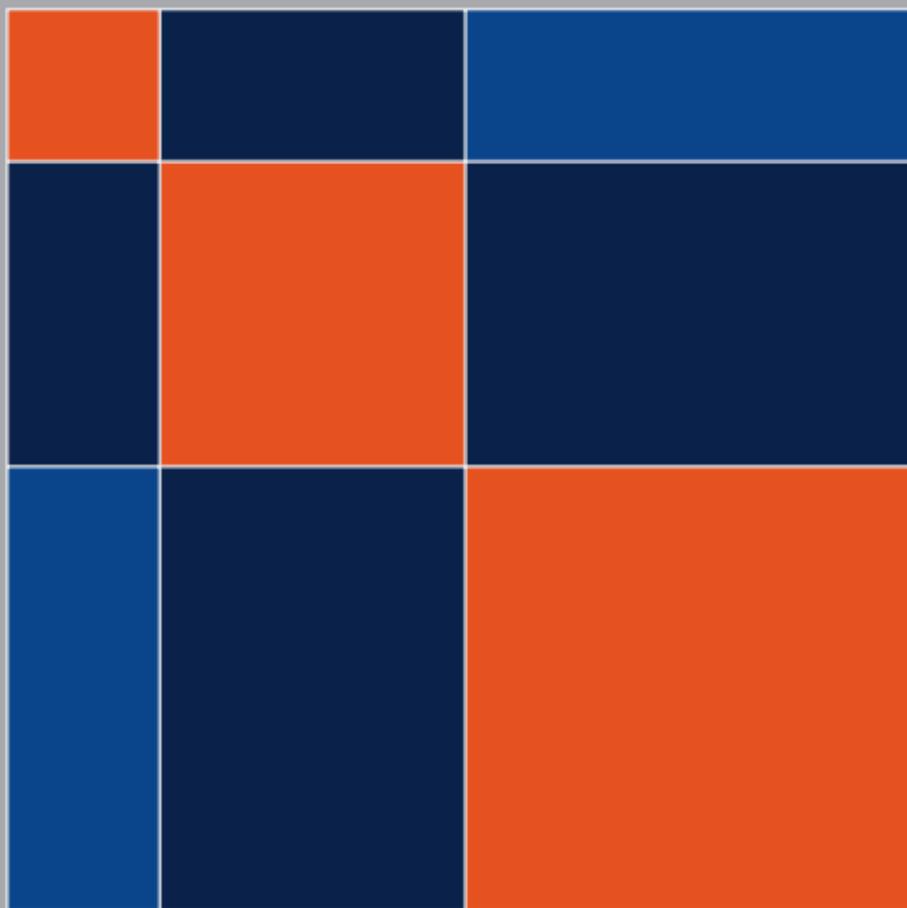


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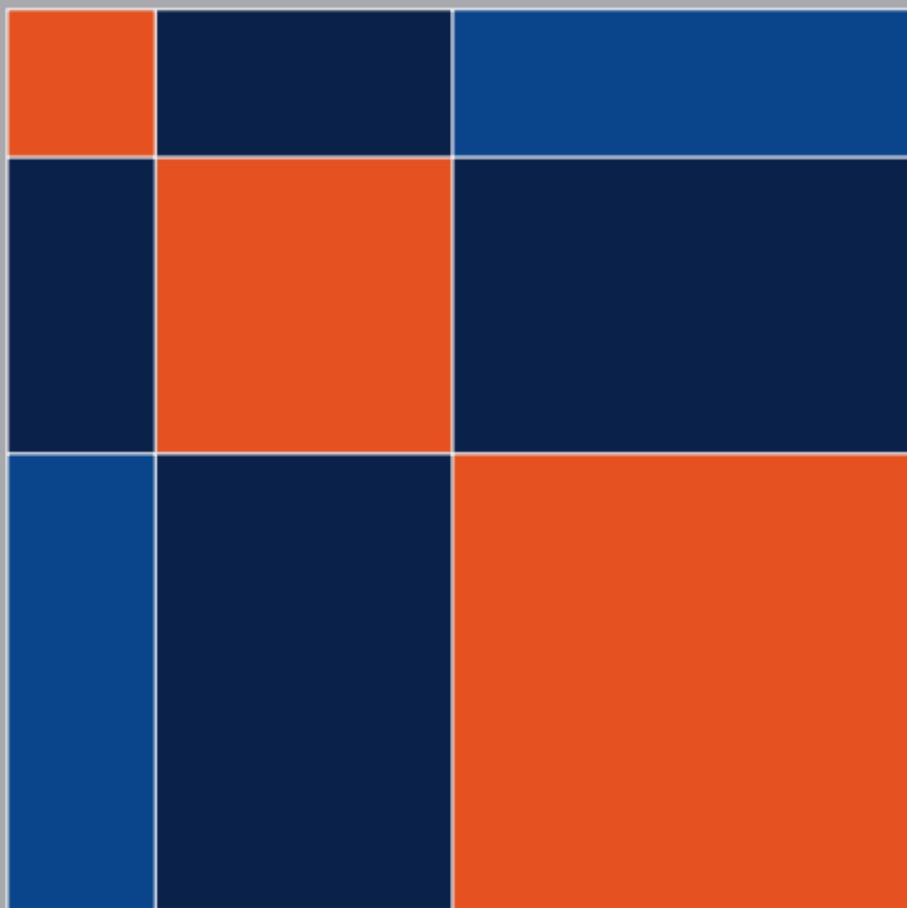


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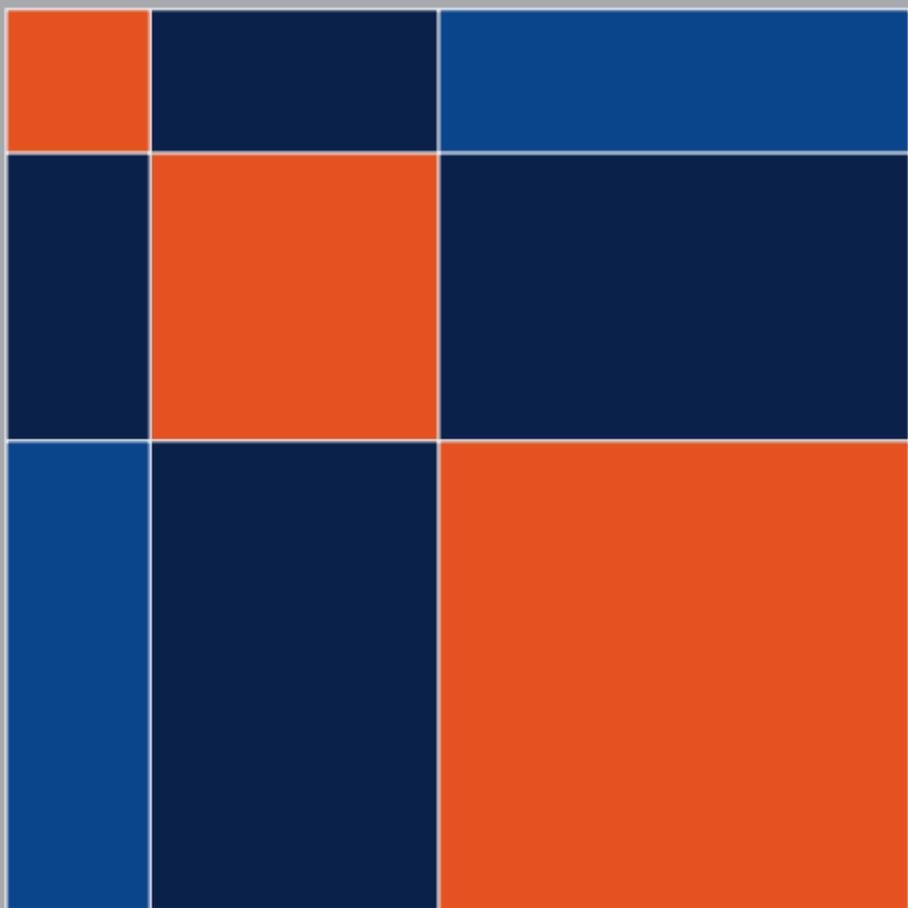


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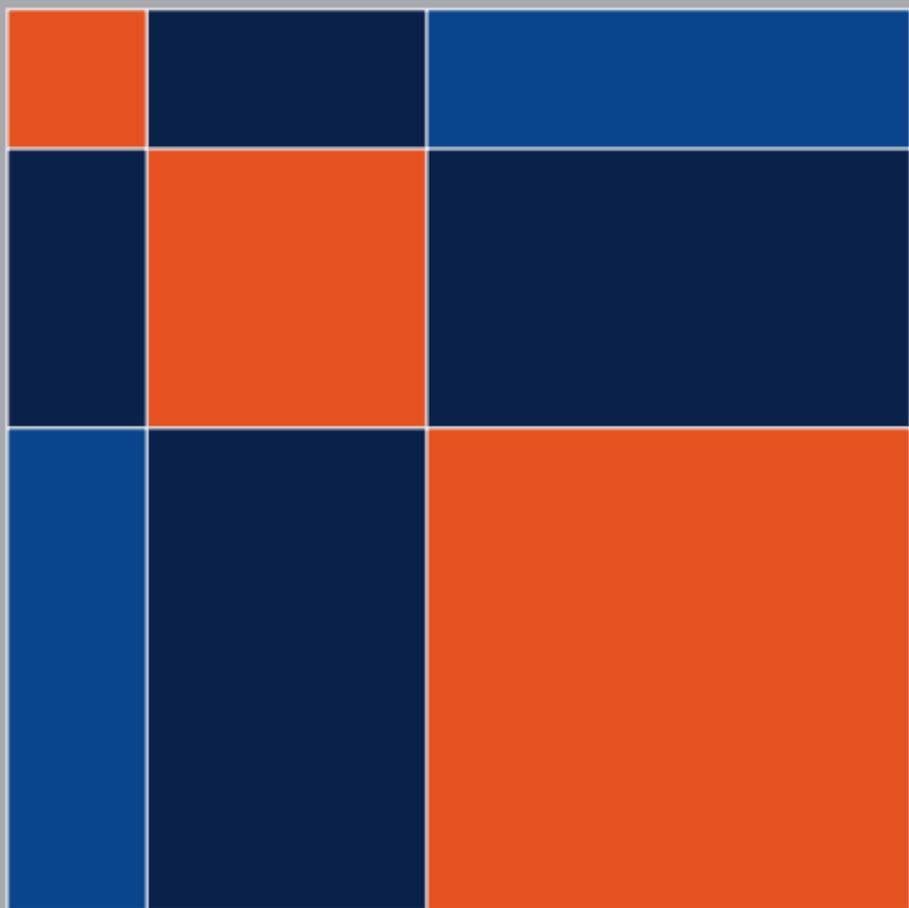


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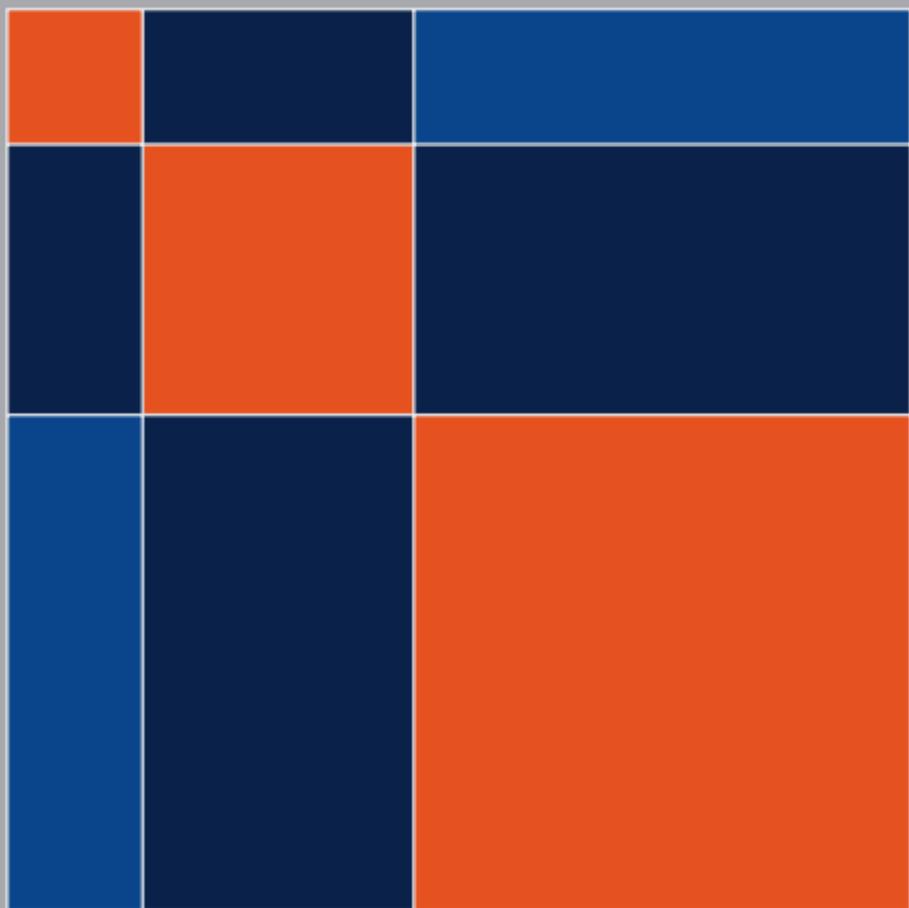


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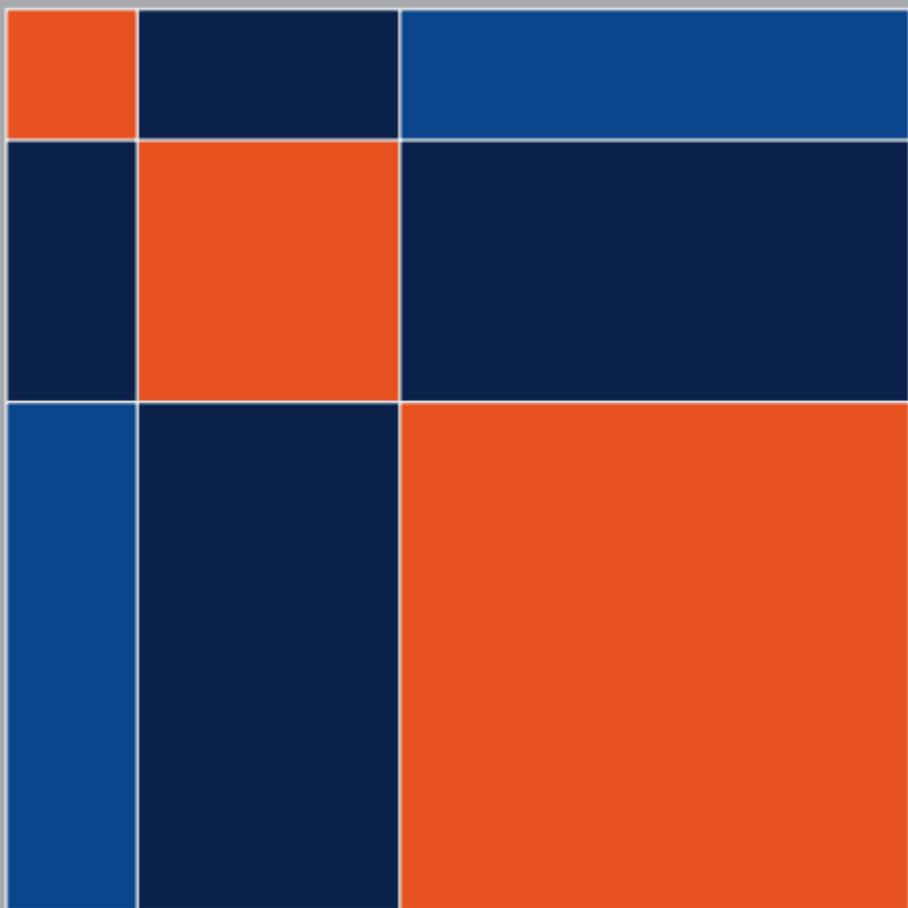


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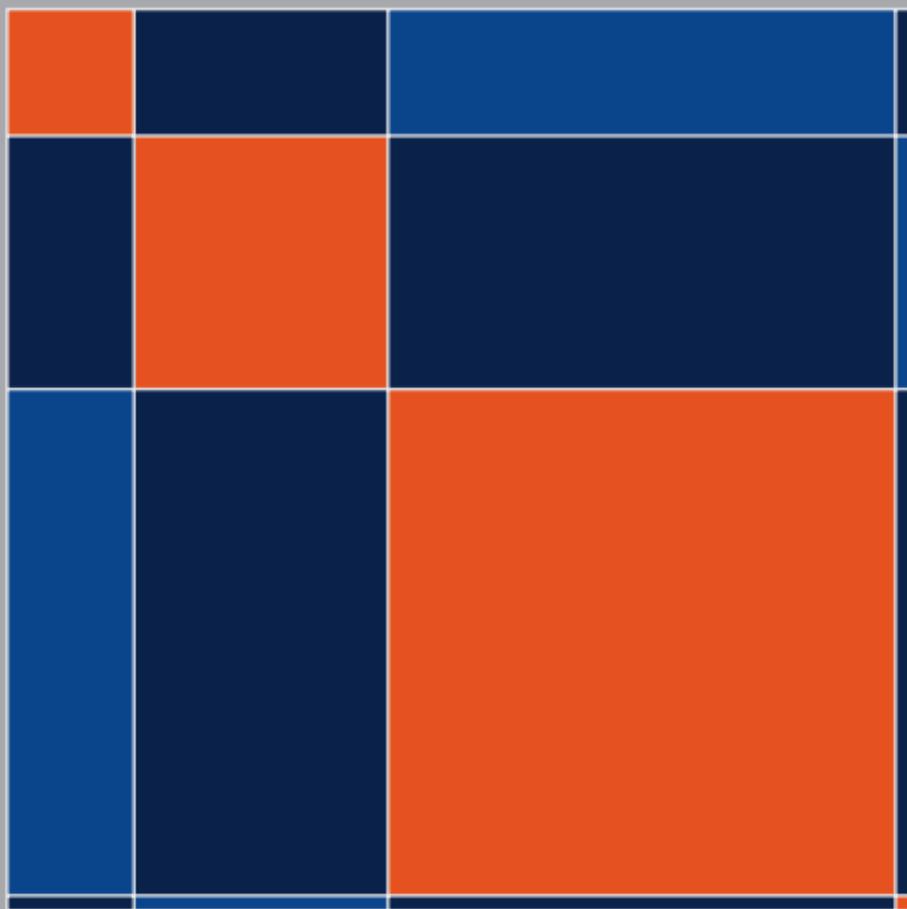


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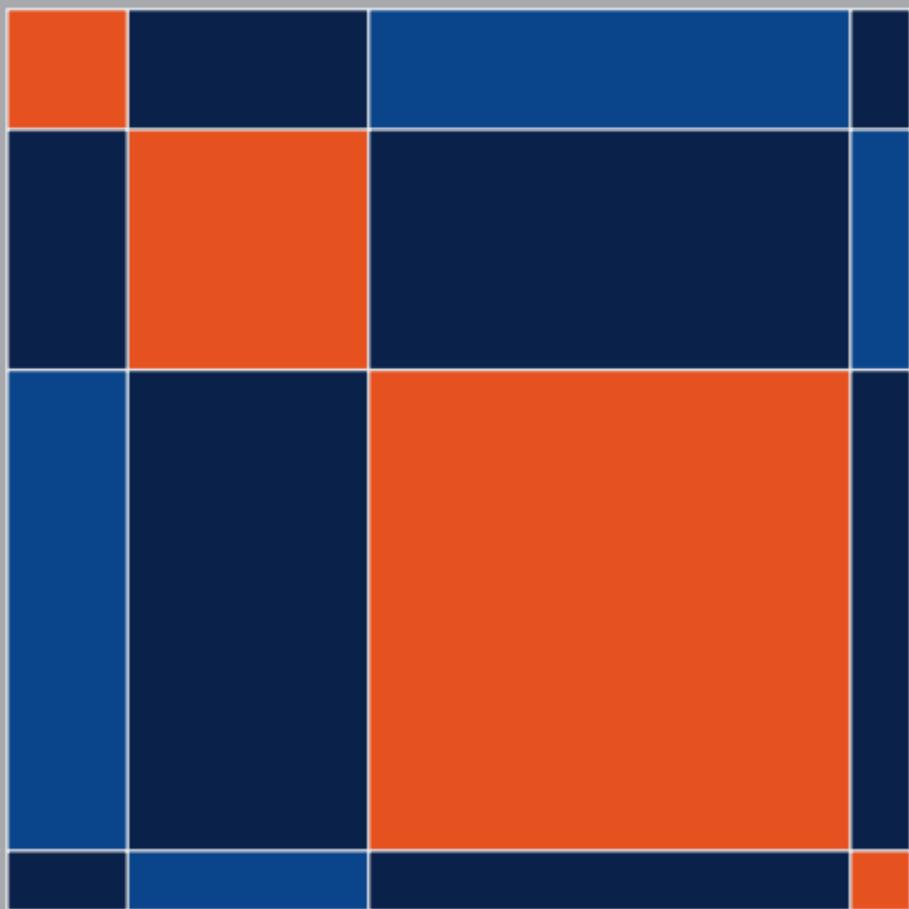


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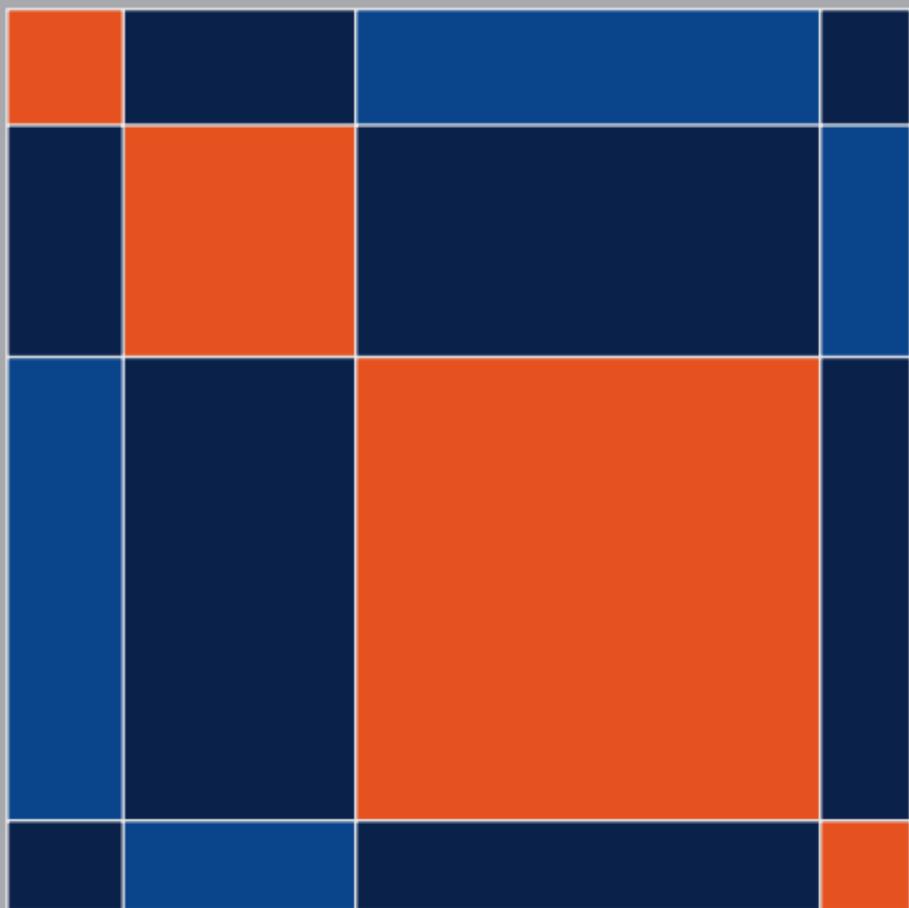


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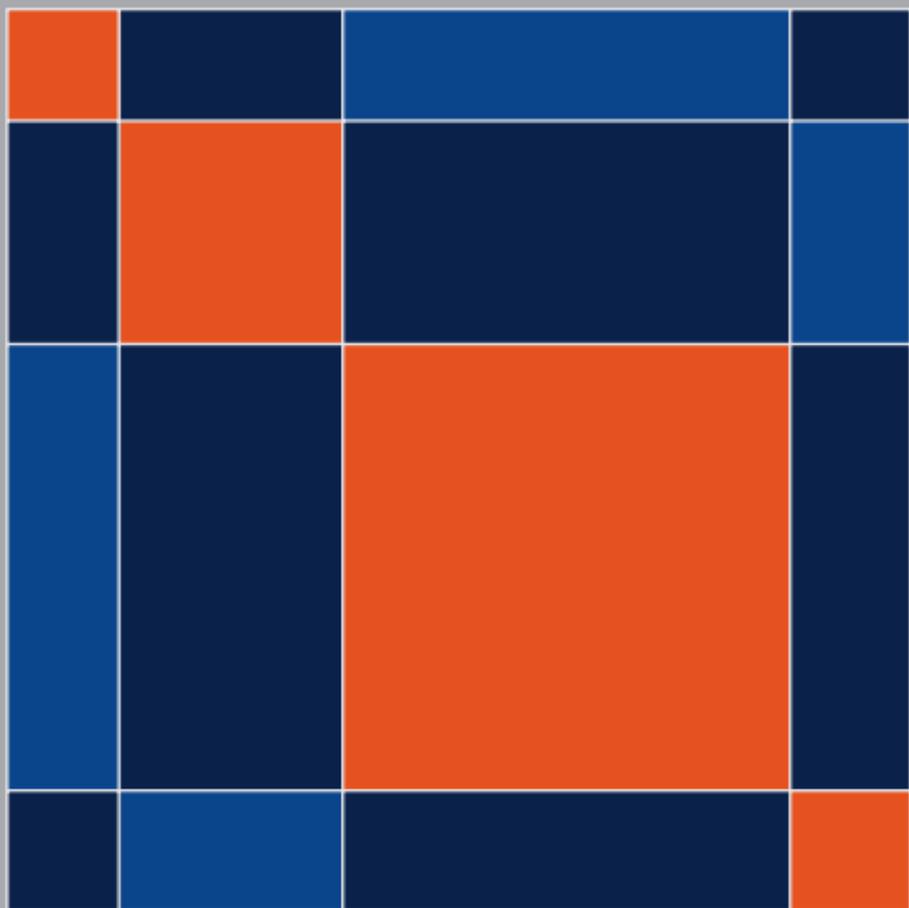


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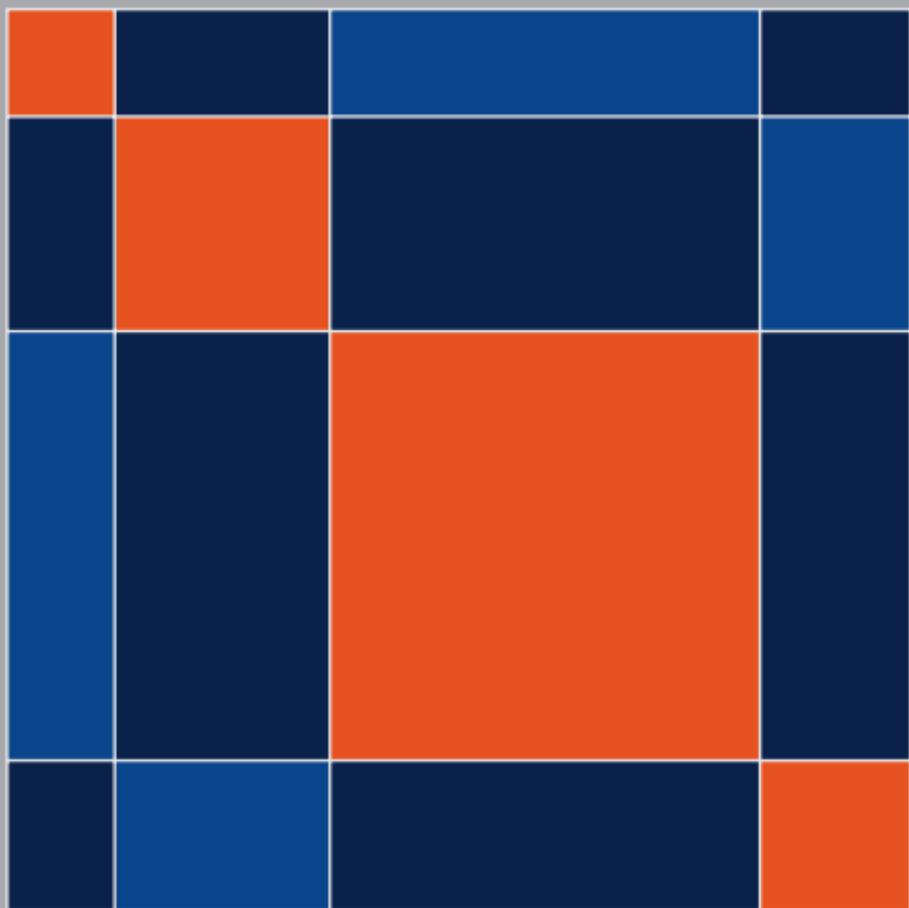


$$(a + b + c + \dots)^2$$



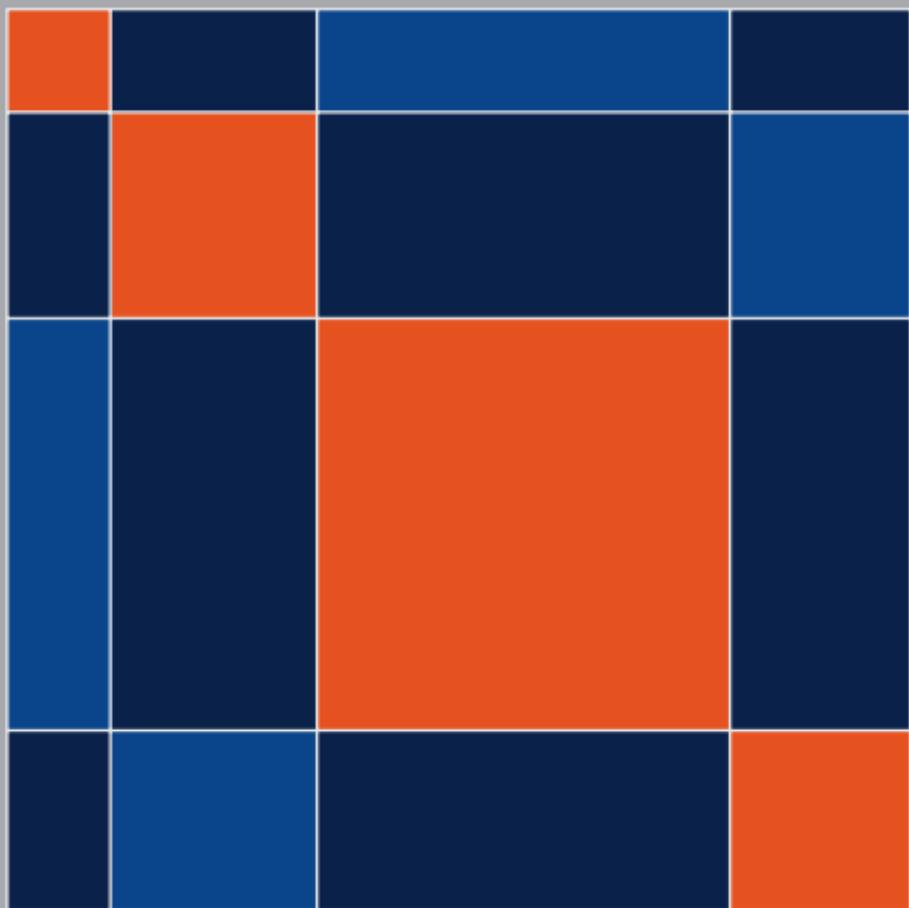


$$(a + b + c + \dots)^2$$





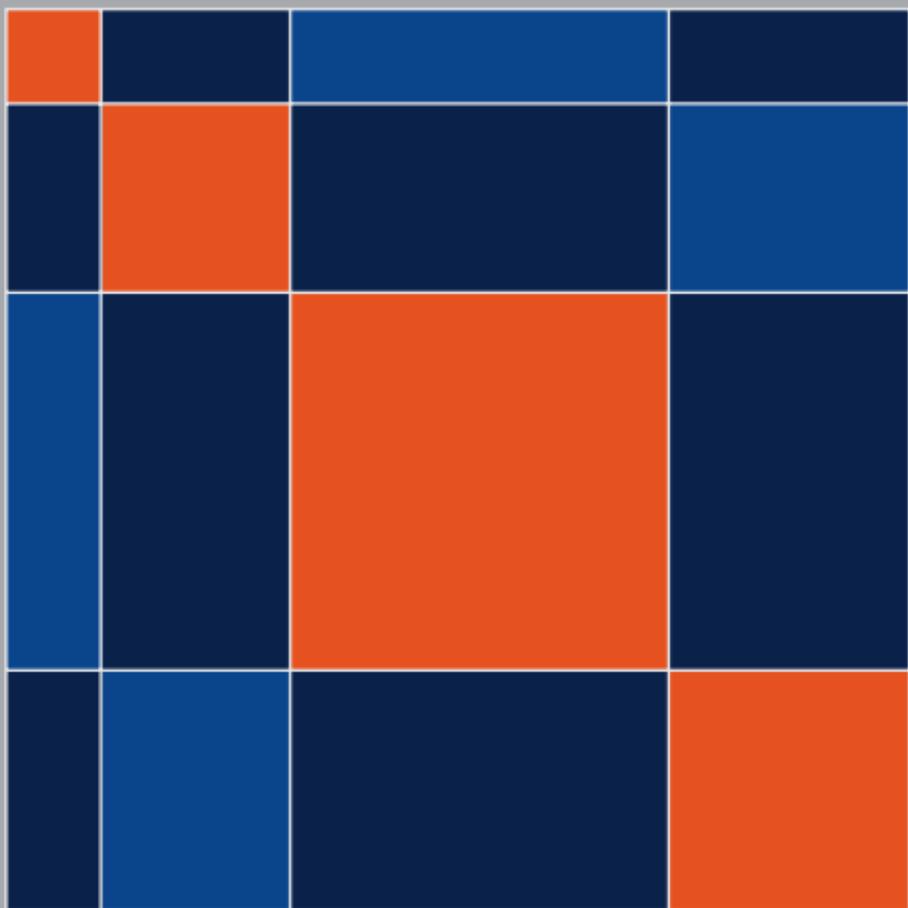
$$(a + b + c + \dots)^2$$





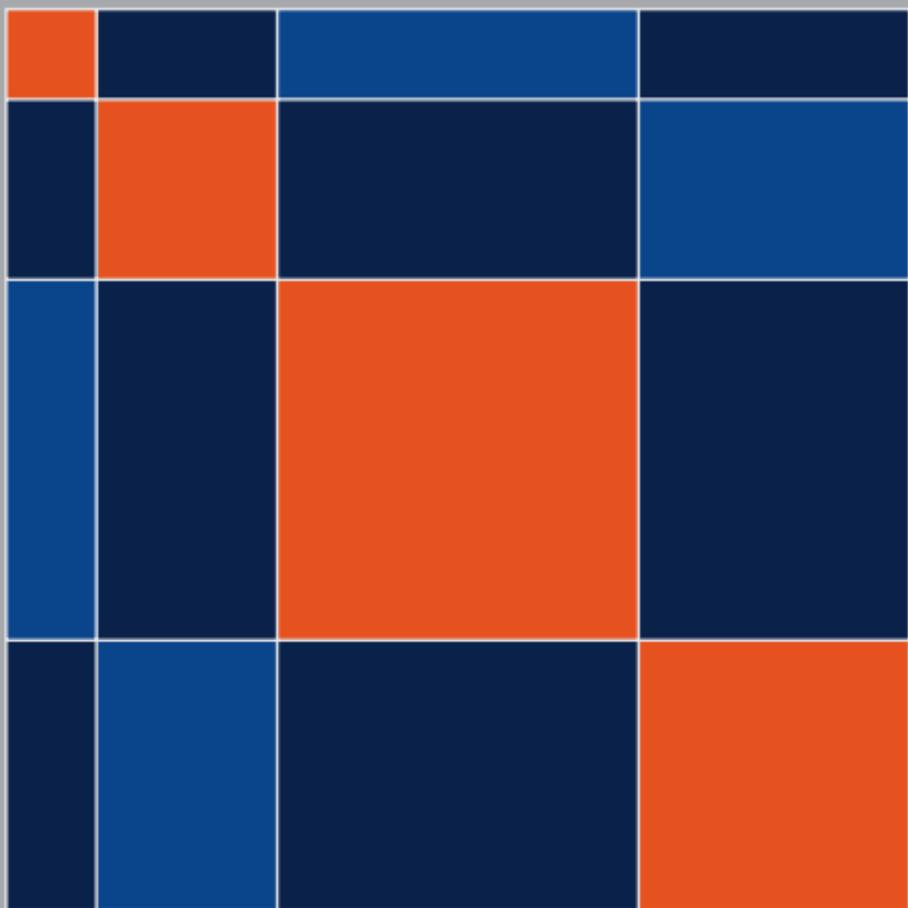
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$$(a + b + c + \dots)^2$$



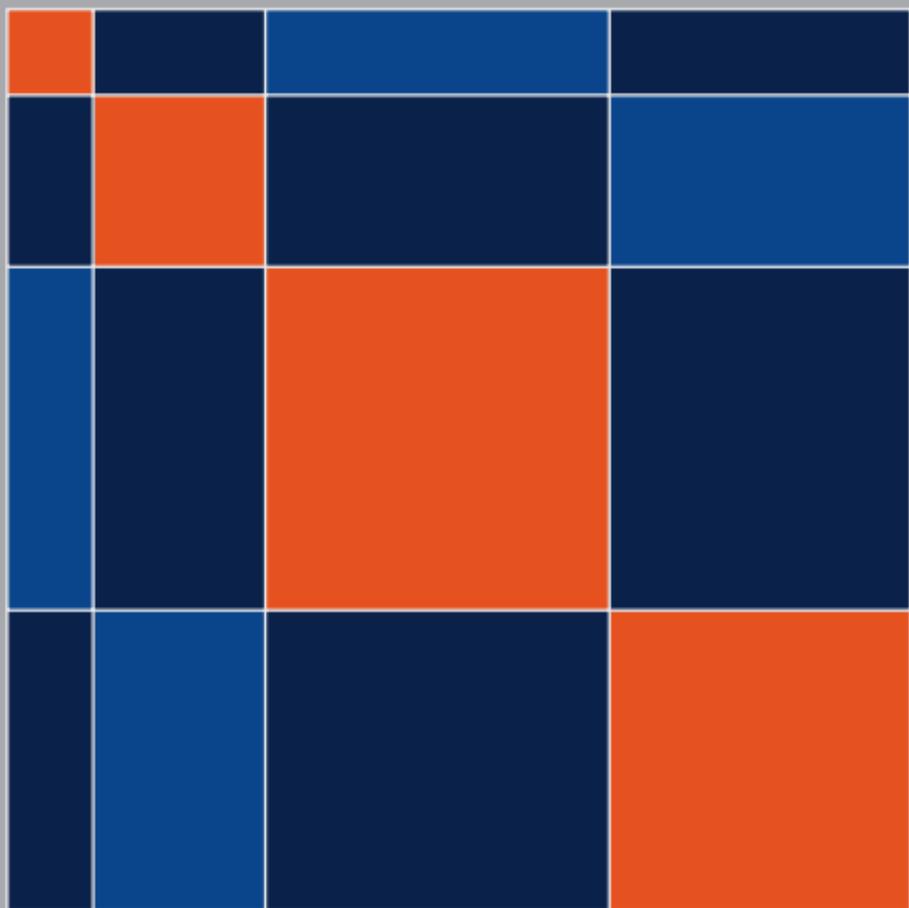


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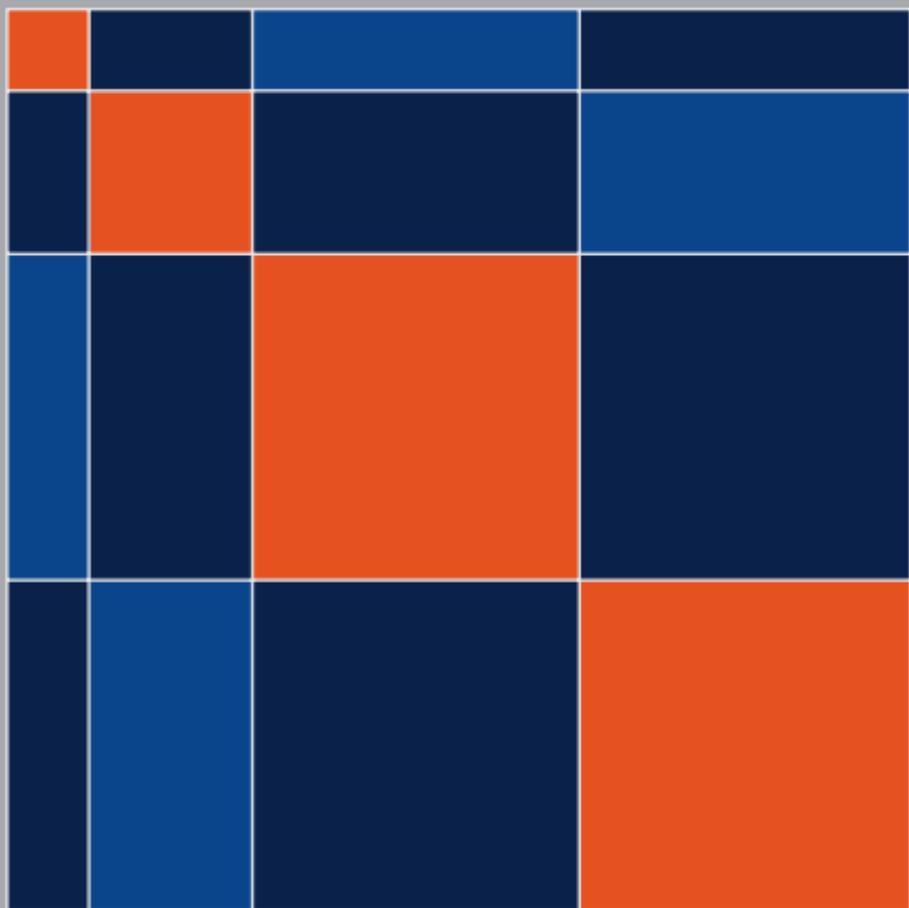


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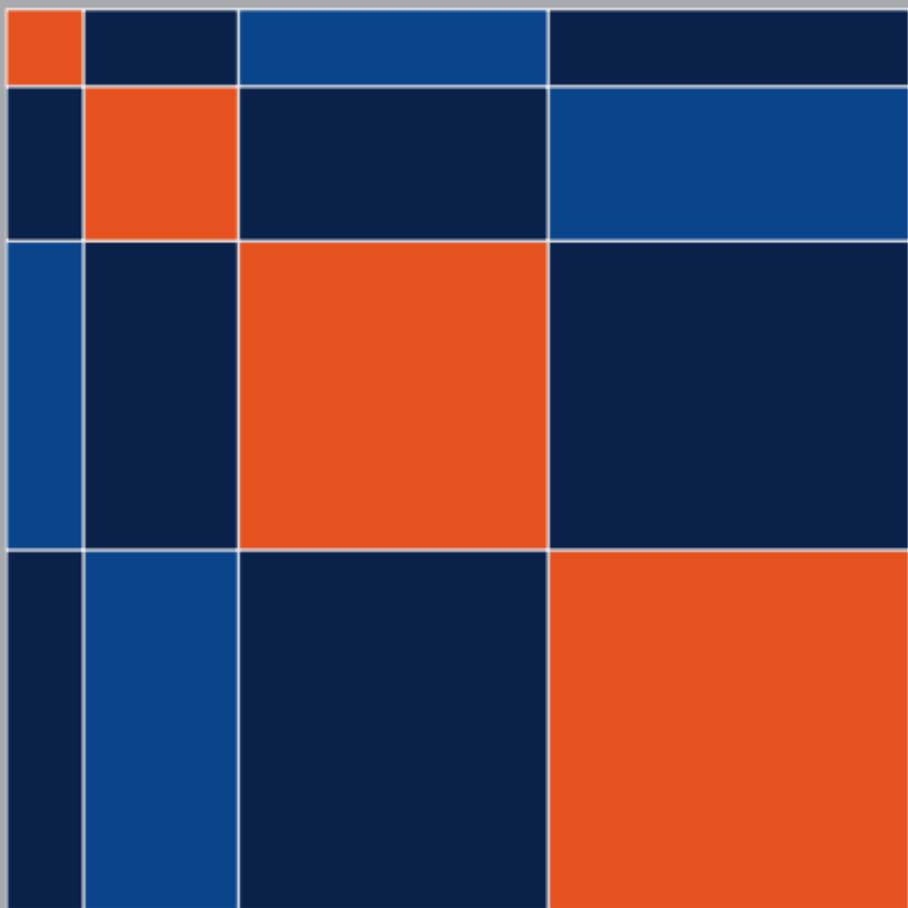


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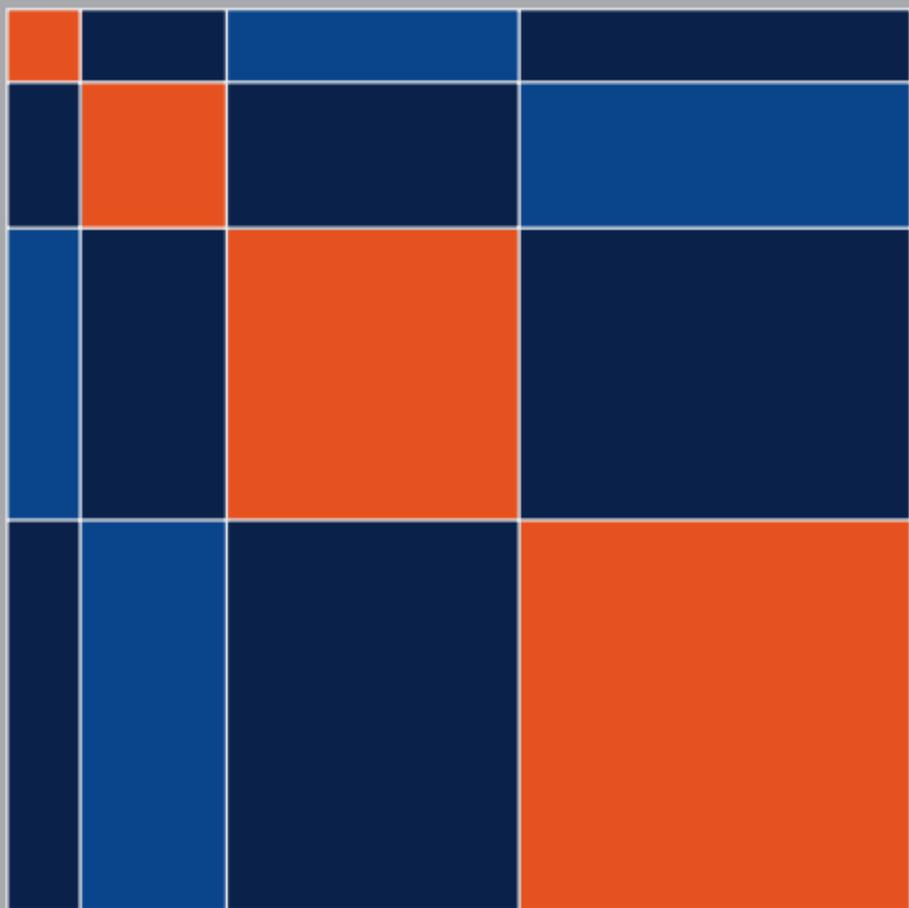


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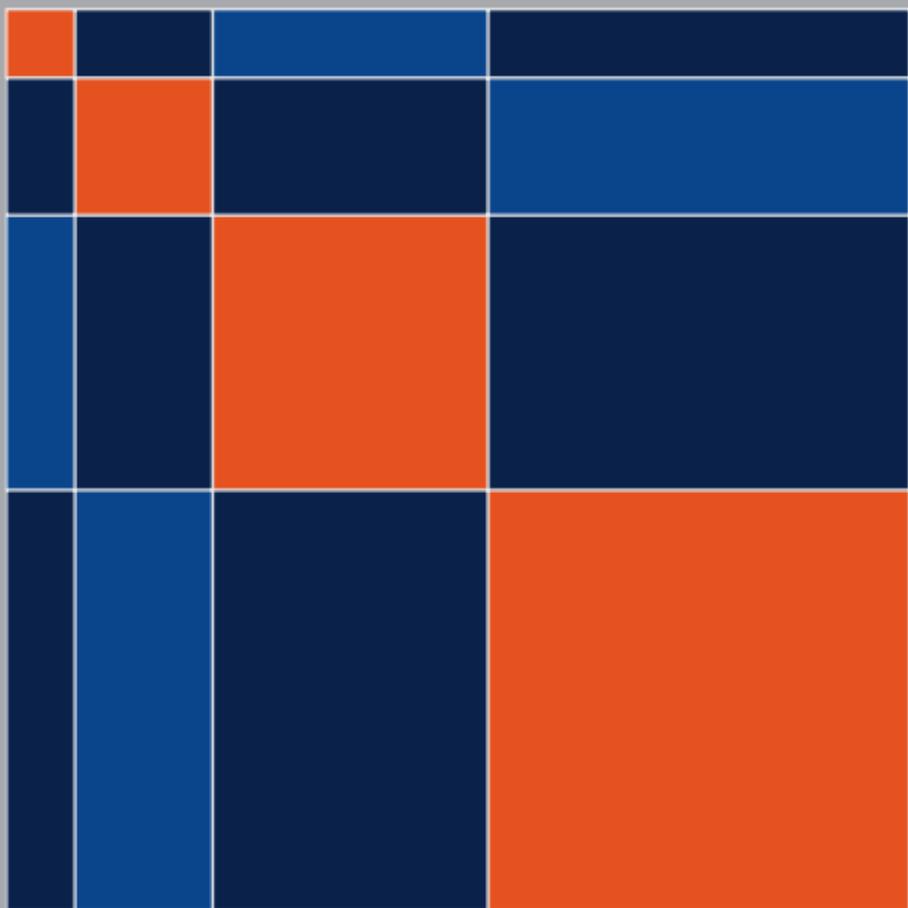


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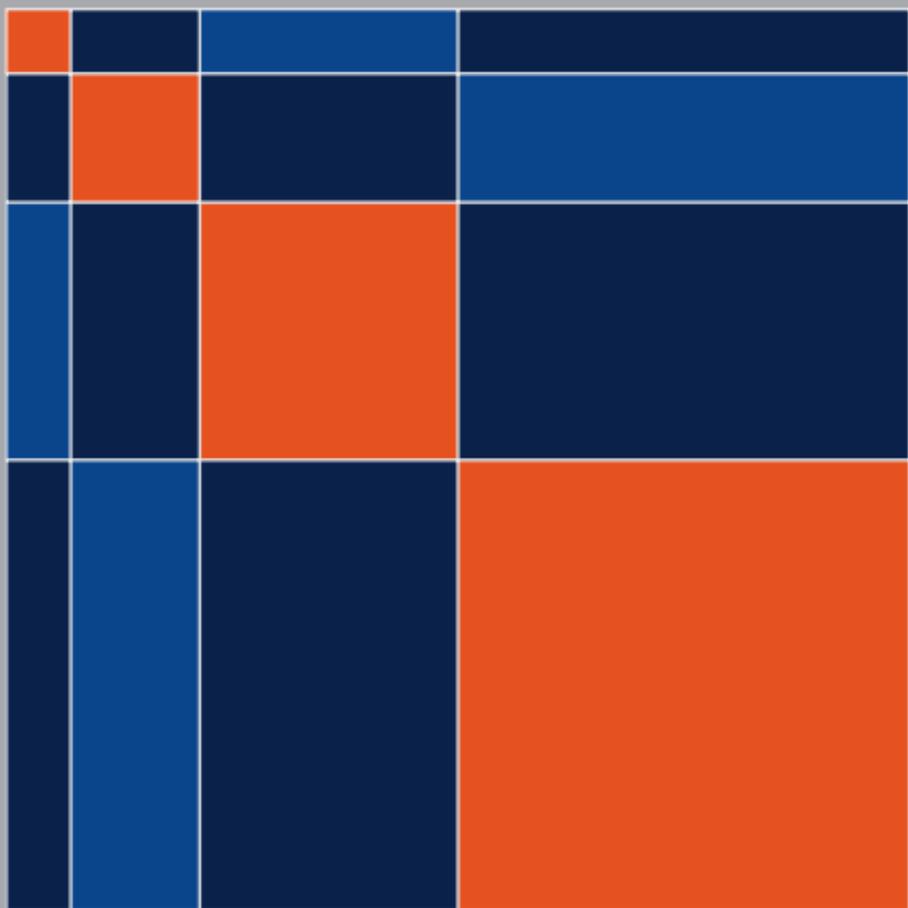


$$(a + b + c + \dots)^2$$



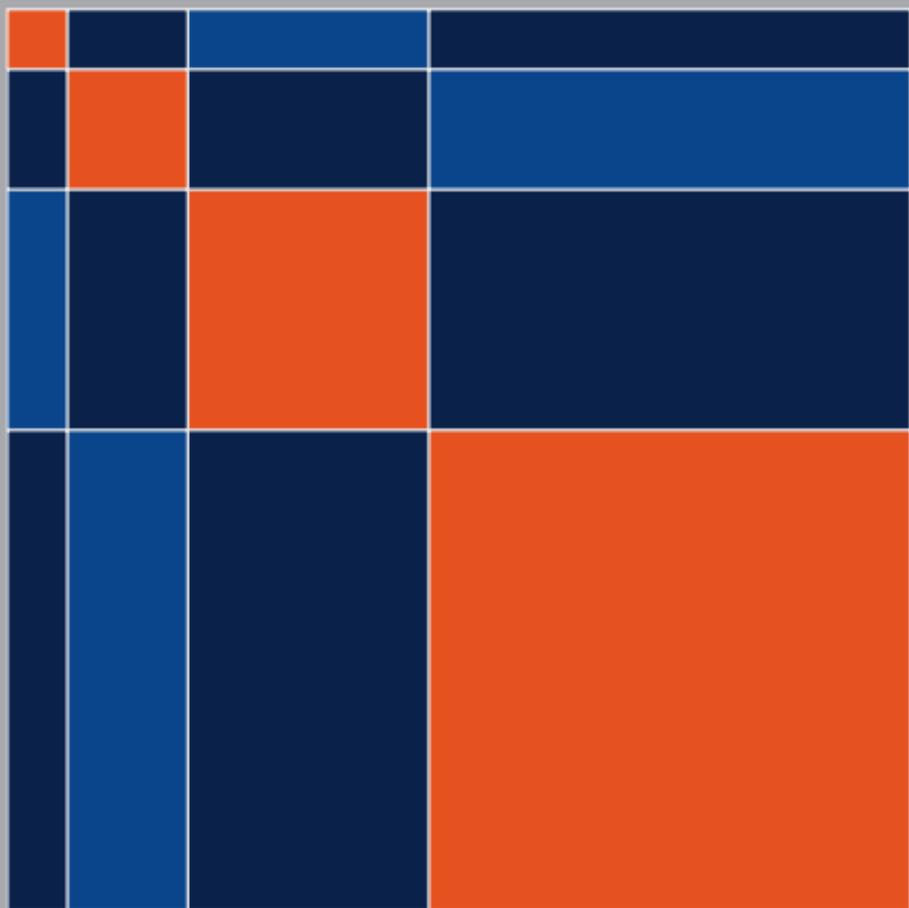


$$(a + b + c + \dots)^2$$



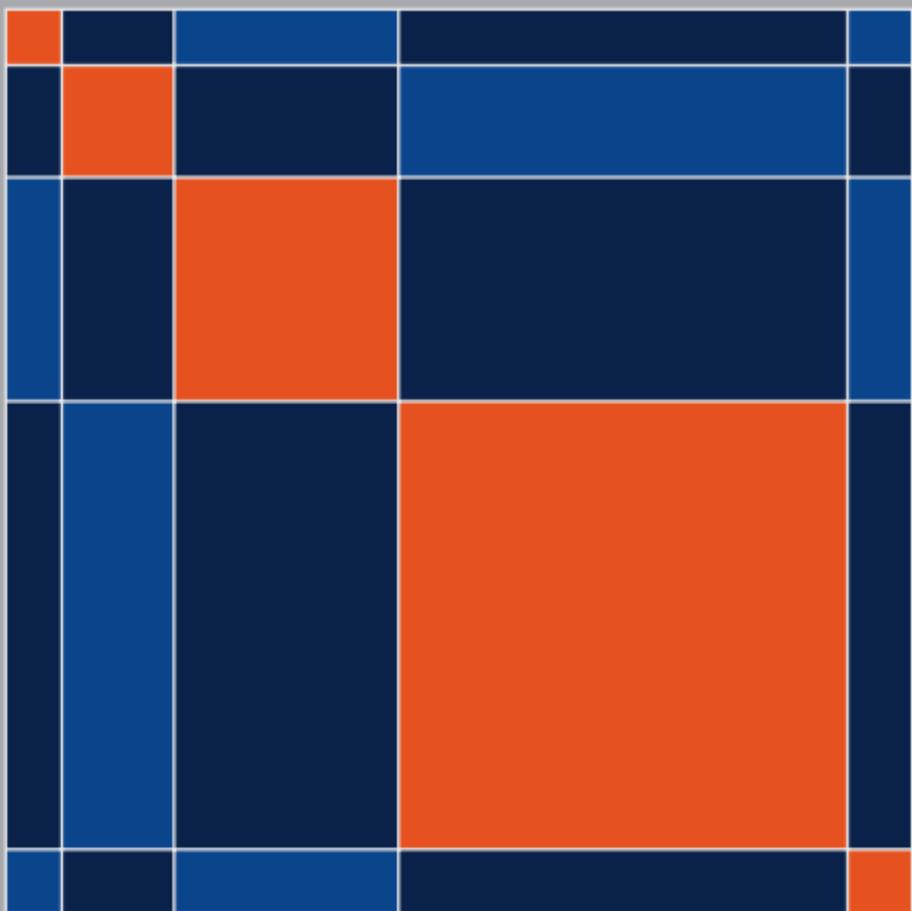


$$(a + b + c + \dots)^2$$





$$(a + b + c + \dots)^2$$



# Mathematik? Spiel!

## realisierte Daumenkinos

- Scheitel-, Neben-, Wechsel-, Stufen-, Basiswinkel
- Winkelsumme im Dreieck
- Thaleskreis (Euklid, Elemente, Buch III)
- Pythagoras, Zerlegung (Euklid, Elemente, Buch I)
- Kathetensatz (Euklid, Elemente, Buch I)
- Höhensatz (Euklid, Elemente, Buch VI u. Buch II)
- Schnitte durch den Würfel
- Verfolgungskurve
- Mönchchen des Hippokrates von Chios
- Ellipse im Kreis
- $(a + b + c + \dots)^2$
- Hinged Tessellation

## Daumenkinos in Planung

- Ellipse, Parabel, Hyperbel
- Hexe der Agnesi
- Satz von Morley
- Sinus
- Satz von Ceva
- Dreiecksgeometrie, Eulergerade
- von der Sekante zur Tangente
- Riemannsches Integral
- Flächenverwandlung
- Sprachspiele
- von 0 bis 100
- ...