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Test Cases

1. A matrix of all 0’s

0 0 0

0 0 0

0 0 0

1. A matrix of all 1’s

1 1 1

1 1 1

1 1 1

1. A matrix with single 1 as the greatest 1’s rectangle

0 0 0

0 1 0

0 0 0

1. A matrix with a greatest 1’s square

0 1 1

0 1 1

0 0 0

1. A matrix with a greatest 1’s rectangle

0 1 1

0 1 1

0 1 1

1. A matrix with a single greatest 1’s rectangle

1 1 0

1 1 0

0 0 1

1. A matrix with two or more equal greatest 1’s rectangles

1 1 0 0

1 1 0 0

0 0 1 1

0 0 1 1

1. A matrix with two or more equal, overlapping greatest 1’s rectangles

1 1 0

1 1 1

1 1 1