

Power of a number Report in 3 Major Browsers o(1)

Performance Statistics

Chrome Browser:

- Wasm Mean: 2.063, Median: 1.900

- Js Mean: 0.780, Median: 0.700

Firefox Browser:

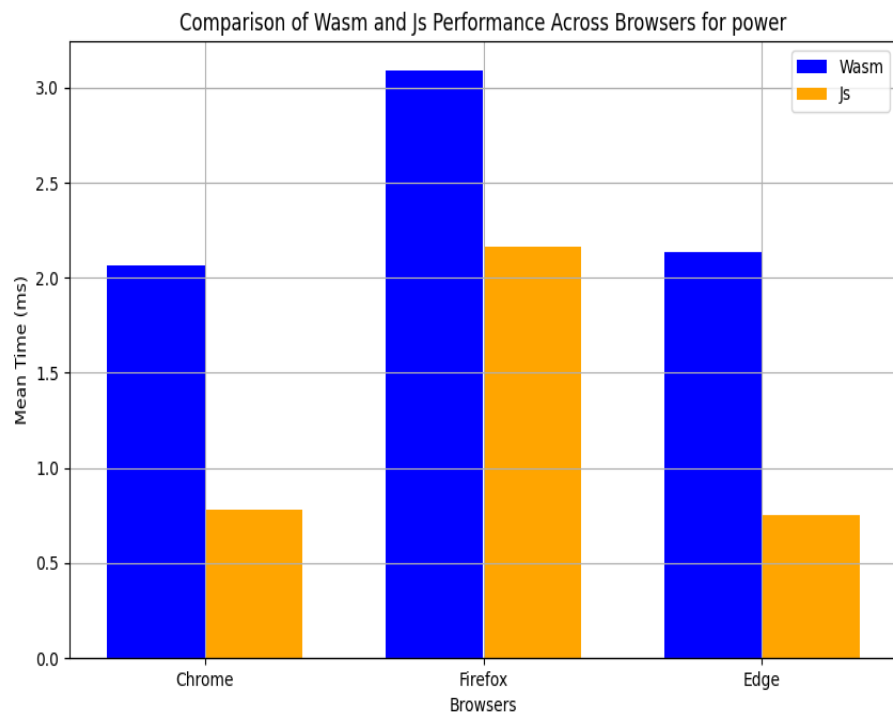
- Wasm Mean: 3.090, Median: 3.000

- Js Mean: 2.160, Median: 2.000

Edge Browser:

- Wasm Mean: 2.132, Median: 1.900

- Js Mean: 0.752, Median: 0.600



Summation of Numbers Report in 3 Major Browsers $O(1)$

Performance Statistics

Chrome Browser:

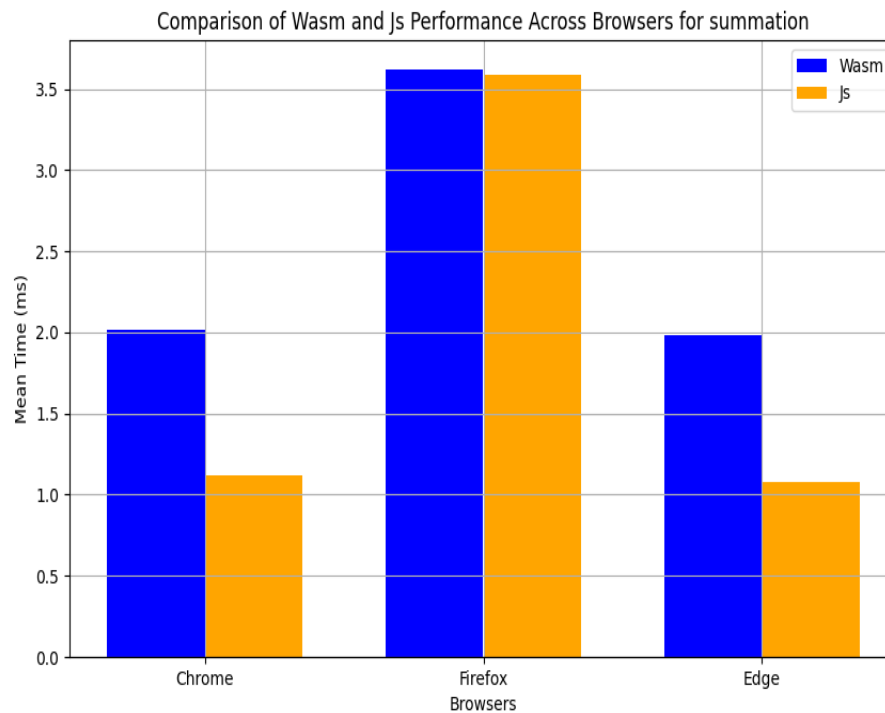
- Wasm Mean: 2.017, Median: 1.700
- Js Mean: 1.118, Median: 0.900

Firefox Browser:

- Wasm Mean: 3.620, Median: 3.000
- Js Mean: 3.590, Median: 3.000

Edge Browser:

- Wasm Mean: 1.981, Median: 1.700
- Js Mean: 1.080, Median: 0.900



Reverse Array Report in 3 Major Browsers o(n)

Performance Statistics

Chrome Browser:

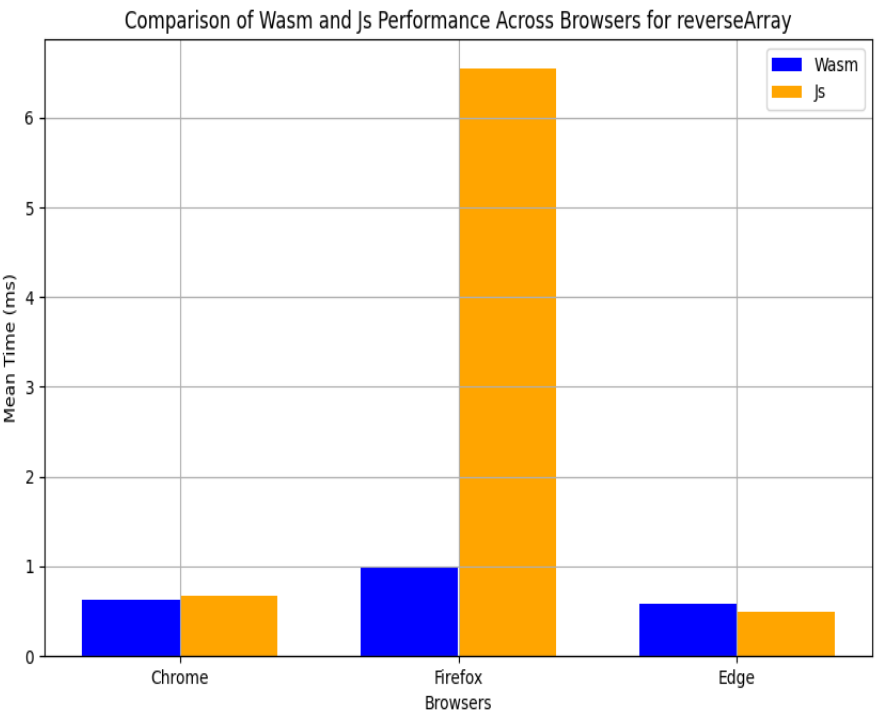
- Wasm Mean: 0.624, Median: 0.500
- Js Mean: 0.668, Median: 0.400

Firefox Browser:

- Wasm Mean: 1.000, Median: 1.000
- Js Mean: 6.550, Median: 5.500

Edge Browser:

- Wasm Mean: 0.580, Median: 0.500
- Js Mean: 0.494, Median: 0.400



Threshold Image Processing Report in 3 Major Browsers o(n)

Performance Statistics

Chrome Browser:

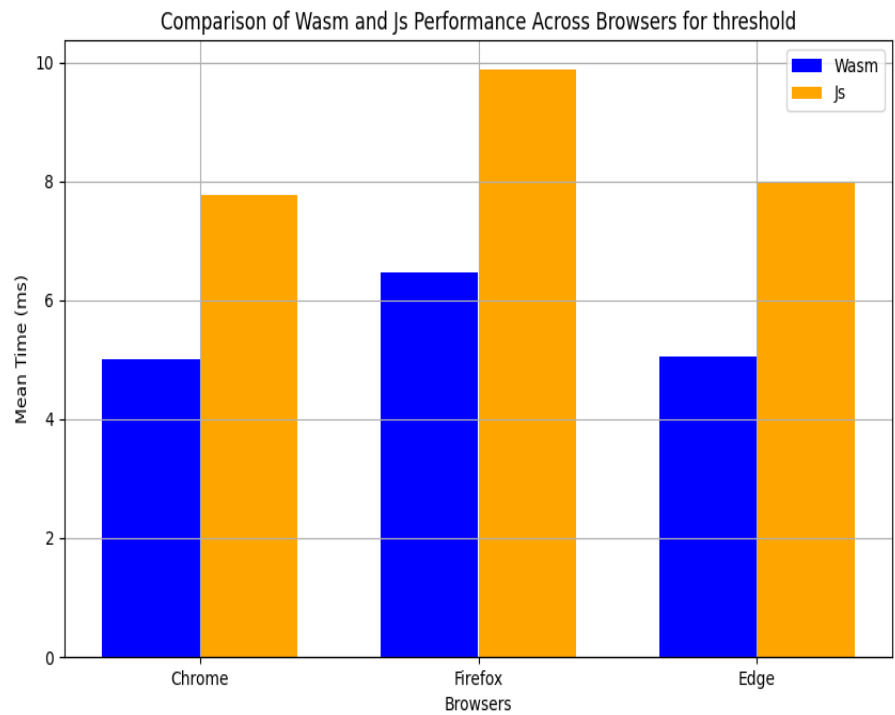
- Wasm Mean: 5.017, Median: 4.400
- Js Mean: 7.777, Median: 7.100

Firefox Browser:

- Wasm Mean: 6.470, Median: 6.000
- Js Mean: 9.880, Median: 9.000

Edge Browser:

- Wasm Mean: 5.042, Median: 4.350
- Js Mean: 7.972, Median: 7.600



Factorial of a Number Report in 3 Major Browsers

O(n!)

Performance Statistics

Chrome Browser:

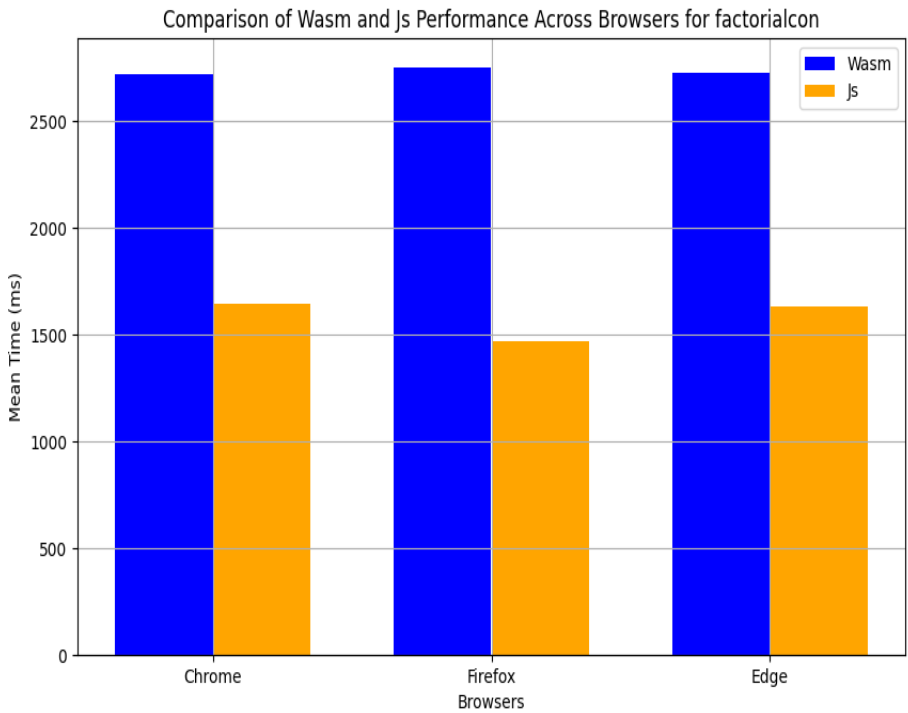
- Wasm Mean: 2716.504, Median: 2653.750
- Js Mean: 1644.791, Median: 1641.000

Firefox Browser:

- Wasm Mean: 2750.610, Median: 2747.500
- Js Mean: 1468.140, Median: 1367.000

Edge Browser:

- Wasm Mean: 2726.046, Median: 2668.100
- Js Mean: 1632.718, Median: 1644.350



Continus permutaion of numbers Report in 3 Major Browsers O(n!)

Performance Statistics

Chrome Browser:

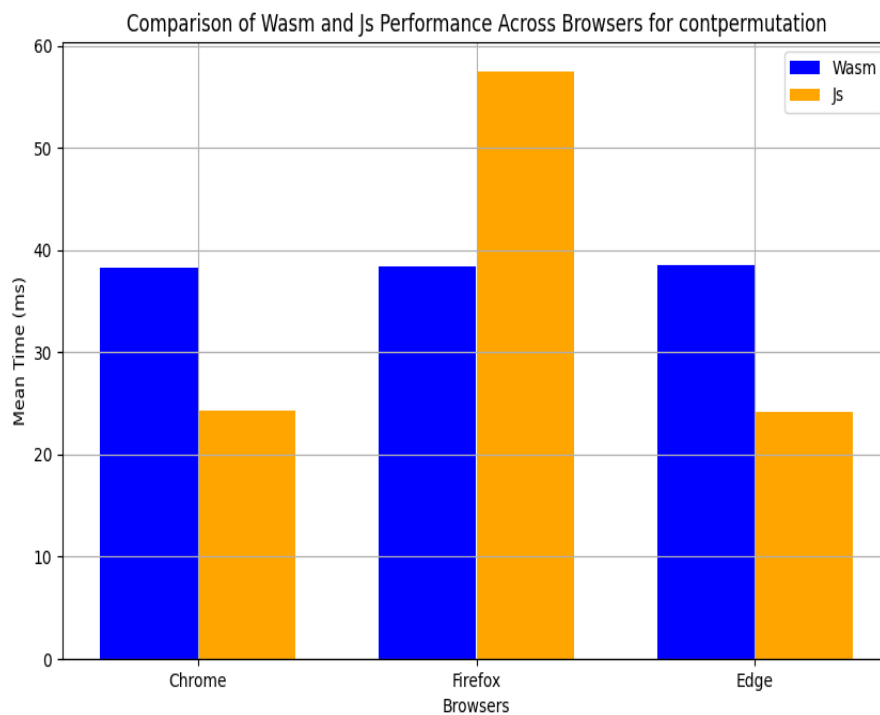
- Wasm Mean: 38.248, Median: 36.550
- Js Mean: 24.274, Median: 22.750

Firefox Browser:

- Wasm Mean: 38.390, Median: 37.000
- Js Mean: 57.490, Median: 33.000

Edge Browser:

- Wasm Mean: 38.565, Median: 36.850
- Js Mean: 24.145, Median: 22.800



Bubble Sort of Numbers Report in 3 Major Browsers

$O(n^2)$

Performance Statistics

Chrome Browser:

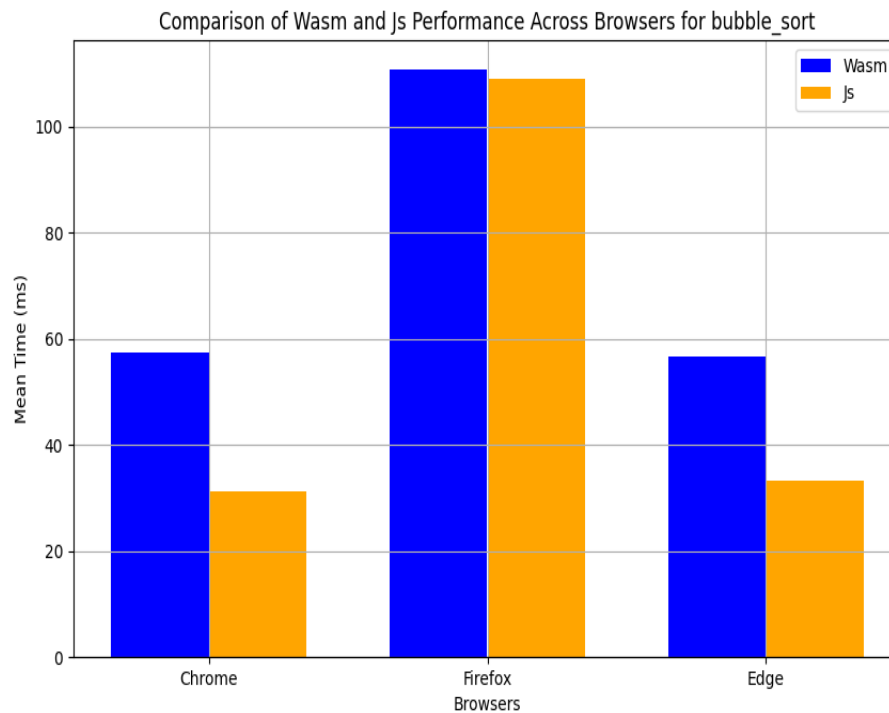
- Wasm Mean: 57.383, Median: 51.800
- Js Mean: 31.199, Median: 30.400

Firefox Browser:

- Wasm Mean: 110.750, Median: 86.000
- Js Mean: 108.870, Median: 107.000

Edge Browser:

- Wasm Mean: 56.723, Median: 52.200
- Js Mean: 33.137, Median: 30.900



Selection Report in 3 Major Browsers $O(n^2)$

Performance Statistics

Chrome Browser:

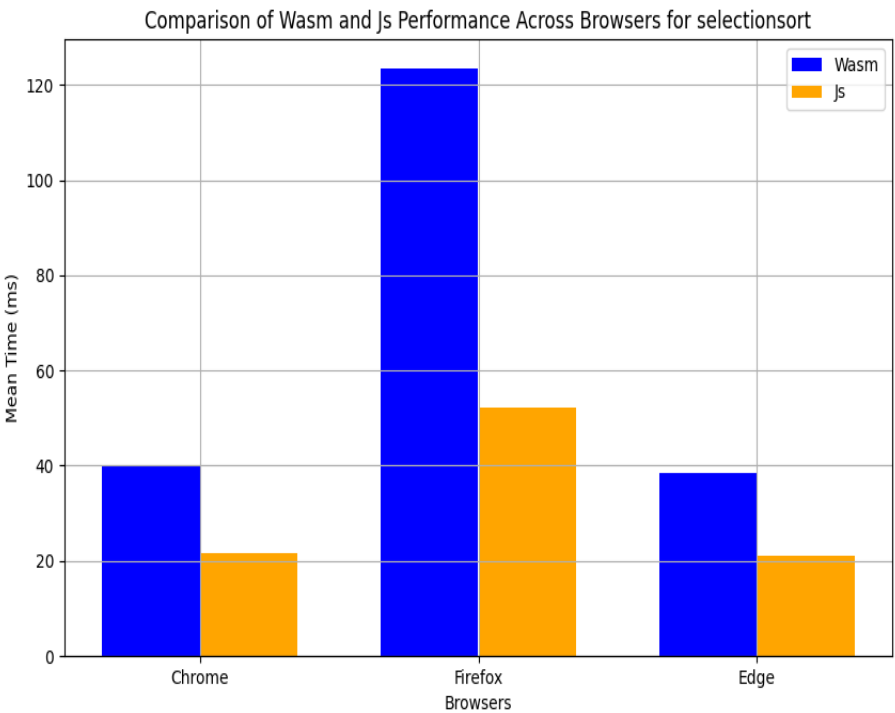
- Wasm Mean: 40.051, Median: 35.950
- Js Mean: 21.486, Median: 19.000

Firefox Browser:

- Wasm Mean: 123.480, Median: 90.500
- Js Mean: 52.180, Median: 51.000

Edge Browser:

- Wasm Mean: 38.578, Median: 35.950
- Js Mean: 20.952, Median: 18.800



Cubic Polynomilal of Number Report in 3 Major Browsers $O(n^3)$

Performance Statistics

Chrome Browser:

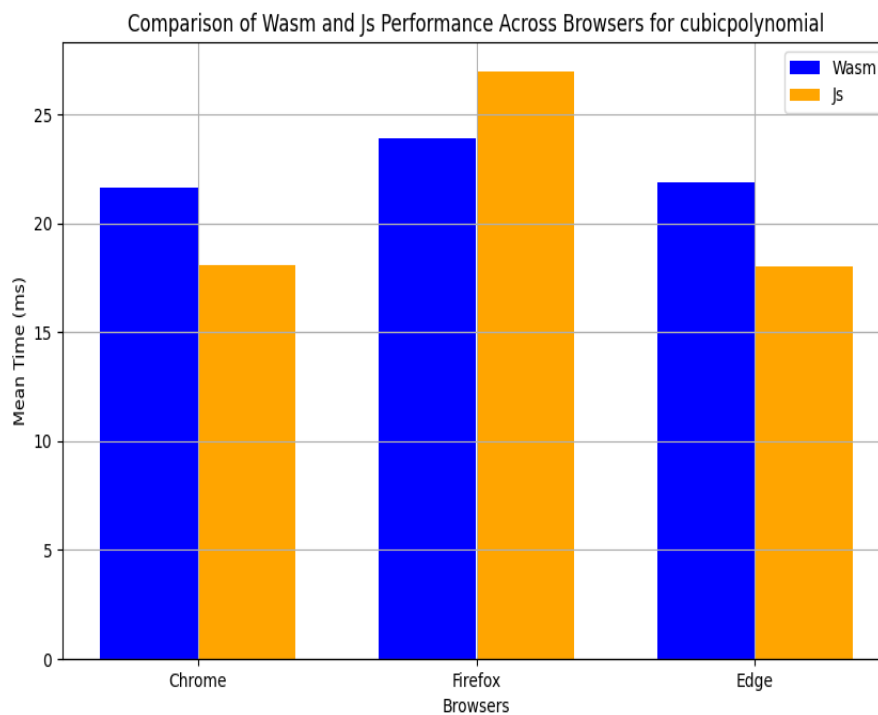
- Wasm Mean: 21.657, Median: 20.600
- Js Mean: 18.064, Median: 17.000

Firefox Browser:

- Wasm Mean: 23.890, Median: 22.000
- Js Mean: 26.980, Median: 26.500

Edge Browser:

- Wasm Mean: 21.863, Median: 20.900
- Js Mean: 18.032, Median: 16.900



Matrix Multiplication Report in 3 Major Browsers

$O(n^3)$

Performance Statistics

Chrome Browser:

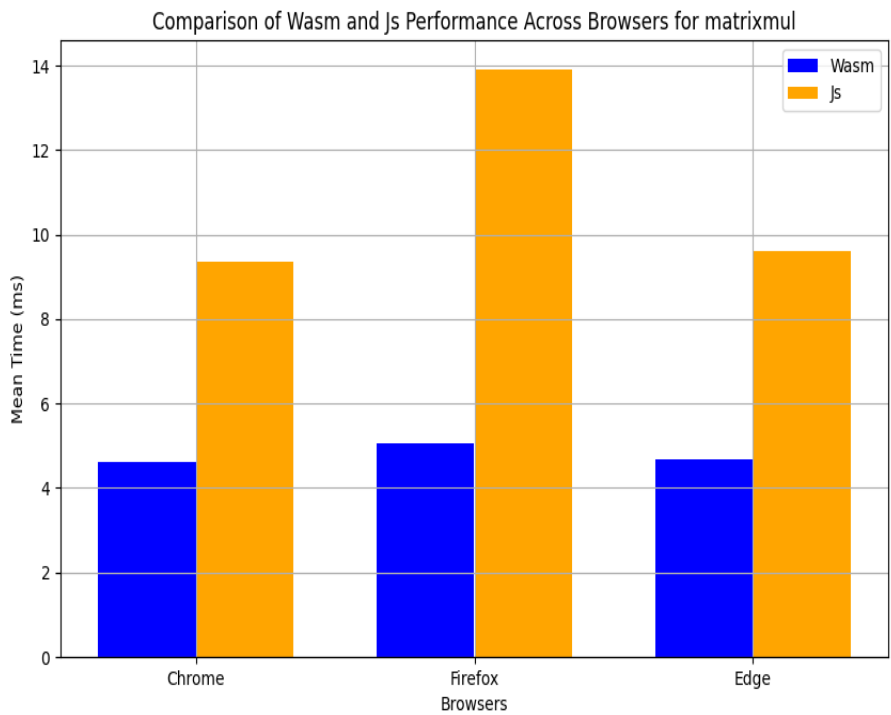
- Wasm Mean: 4.623, Median: 4.350
- Js Mean: 9.357, Median: 8.150

Firefox Browser:

- Wasm Mean: 5.070, Median: 5.000
- Js Mean: 13.910, Median: 13.000

Edge Browser:

- Wasm Mean: 4.693, Median: 4.350
- Js Mean: 9.625, Median: 8.450



Nested loop Multiplication Report in 3 Major Browsers $O(n^4)$

Performance Statistics

Chrome Browser:

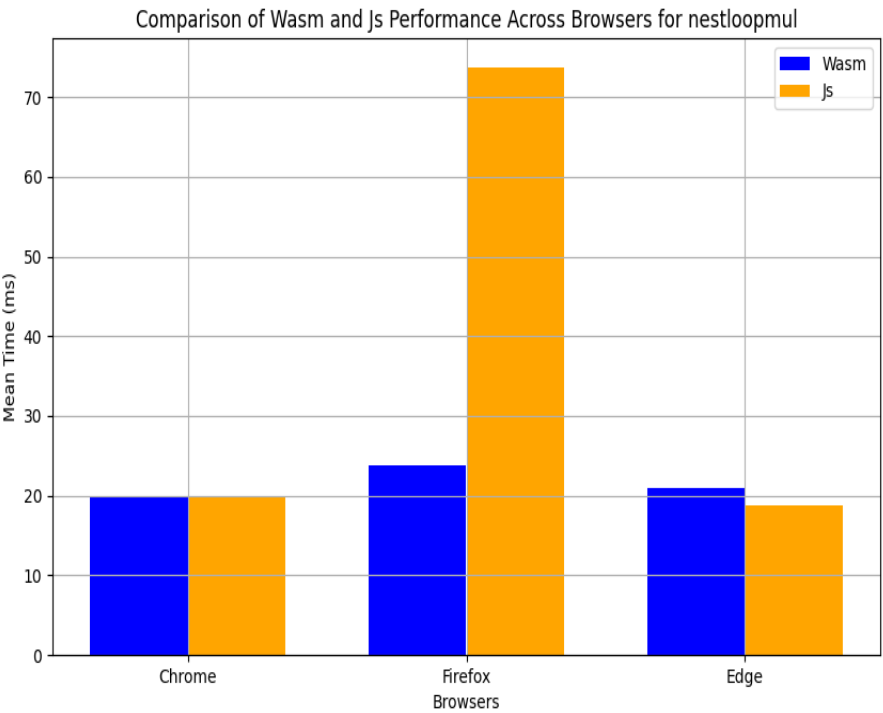
- Wasm Mean: 19.991, Median: 18.700
- Js Mean: 19.980, Median: 18.350

Firefox Browser:

- Wasm Mean: 23.860, Median: 22.000
- Js Mean: 73.720, Median: 72.000

Edge Browser:

- Wasm Mean: 20.902, Median: 20.300
- Js Mean: 18.813, Median: 18.400



Nested loop Summation Report in 3 Major Browsers

$O(n^4)$

Performance Statistics

Chrome Browser:

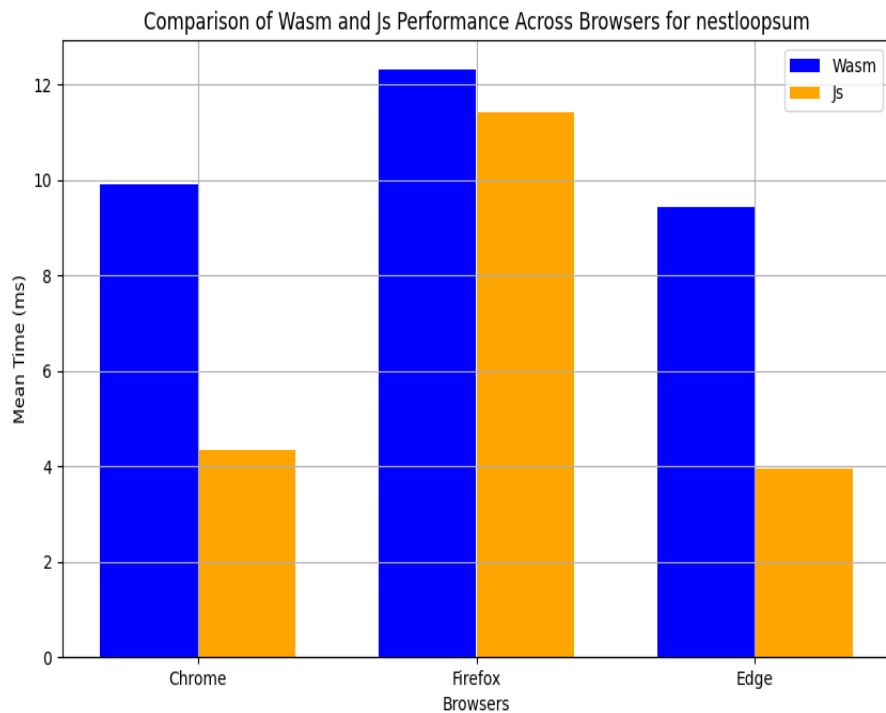
- Wasm Mean: 9.910, Median: 9.400
- Js Mean: 4.339, Median: 3.500

Firefox Browser:

- Wasm Mean: 12.320, Median: 11.500
- Js Mean: 11.420, Median: 10.000

Edge Browser:

- Wasm Mean: 9.449, Median: 9.100
- Js Mean: 3.953, Median: 3.400



Binary Search Report in 3 Major Browsers $O(\log n)$

Performance Statistics

Chrome Browser:

- Wasm Mean: 1.812, Median: 1.600

- Js Mean: 57.898, Median: 57.000

Firefox Browser:

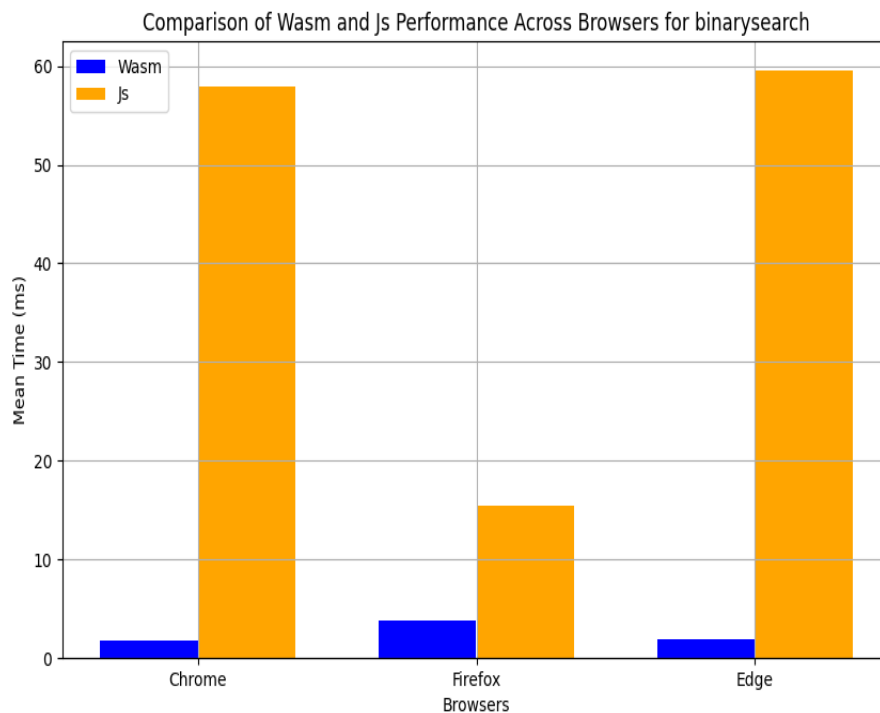
- Wasm Mean: 3.740, Median: 3.000

- Js Mean: 15.370, Median: 15.000

Edge Browser:

- Wasm Mean: 1.926, Median: 1.650

- Js Mean: 59.554, Median: 58.350



Binary search rotated Report in 3 Major Browsers

$O(\log n)$

Performance Statistics

Chrome Browser:

- Wasm Mean: 4.405, Median: 4.150
- Js Mean: 16.475, Median: 16.100

Firefox Browser:

- Wasm Mean: 8.000, Median: 7.000
- Js Mean: 11.080, Median: 11.000

Edge Browser:

- Wasm Mean: 3.999, Median: 3.700
- Js Mean: 17.830, Median: 17.600

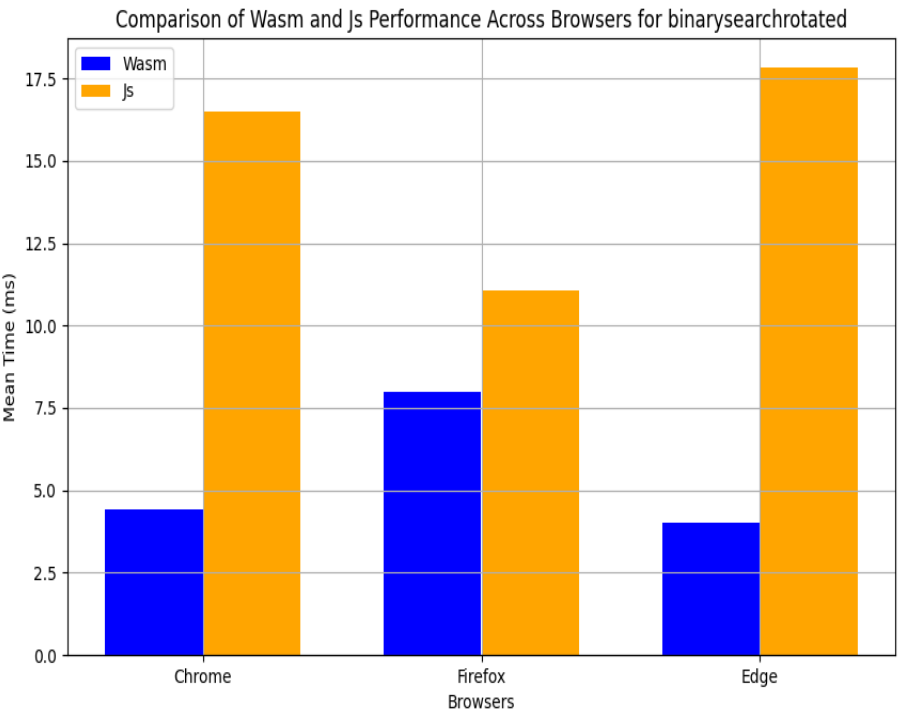


Image Generation and Sort Report in 3 Major Browsers $O(n \log n)$

Performance Statistics

Chrome Browser:

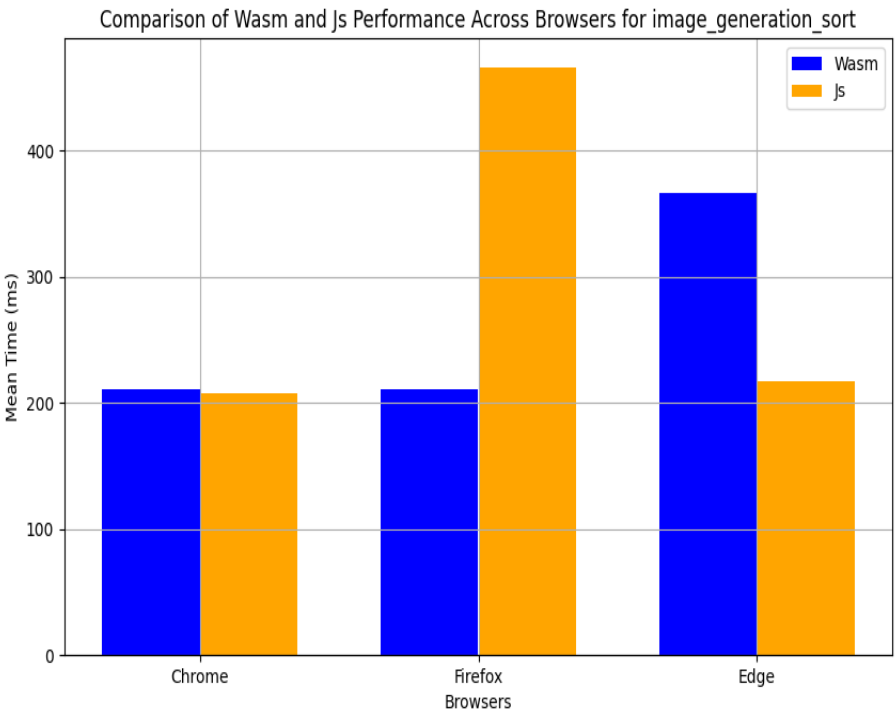
- Wasm Mean: 210.751, Median: 207.550
- Js Mean: 208.036, Median: 201.900

Firefox Browser:

- Wasm Mean: 210.880, Median: 207.000
- Js Mean: 466.170, Median: 519.000

Edge Browser:

- Wasm Mean: 366.958, Median: 410.300
- Js Mean: 217.509, Median: 202.100



Quick Sort Report in 3 Major Browsers $O(n \log n)$

Performance Statistics

Chrome Browser:

- Wasm Mean: 2.080, Median: 1.700
- Js Mean: 2.735, Median: 2.200

Firefox Browser:

- Wasm Mean: 2.020, Median: 2.000
- Js Mean: 4.290, Median: 4.000

Edge Browser:

- Wasm Mean: 1.691, Median: 1.400
- Js Mean: 3.655, Median: 3.300

