

Test task 1

Matrices(50;50) multiplication

Matrices multiplication with cash misses calculated for: 0.448597

Matrices (in vector form) multiplication without cash misses calculated for: 0.194333

Speed up: 2.30839

Matrices(100;100) multiplication

Matrices multiplication with cash misses calculated for: 2.3989

Matrices (in vector form) multiplication without cash misses calculated for: 1.13896

Speed up: 2.10622

Matrices(150;150) multiplication

Matrices multiplication with cash misses calculated for: 7.69539

Matrices (in vector form) multiplication without cash misses calculated for: 3.84163

Speed up: 2.00316

Matrices(200;200) multiplication

Matrices multiplication with cash misses calculated for: 18.1716

Matrices (in vector form) multiplication without cash misses calculated for: 9.14748

Speed up: 1.98651

Test task 2

Matrices(1000;1000) multiplication

Bubble sort continious for vector size of 1000 lasts: 0.963285(c)

Merge sort for vector size of 1000 with 4 tasks lasts: 0.290073(c)

Speed up: 3.32083

Effectivity is 0.830208

Matrices(1000;1000) multiplication

Bubble sort continious for vector size of 1000 lasts: 0.963671(c)

Merge sort for vector size of 1000 with 8 tasks lasts: 0.0579367(c)

Speed up: 16.6332

Effectivity is 2.07915

Matrices(1000;1000) multiplication

Bubble sort continious for vector size of 1000 lasts: 1.00376(c)

Merge sort for vector size of 1000 with 16 tasks lasts: 0.0249353(c)

Speed up: 40.2544

Effectivity is 2.5159

Matrices(1000;1000) multiplication

Bubble sort continious for vector size of 1000 lasts: 0.968559(c)

Merge sort for vector size of 1000 with 32 tasks lasts: 0.0122462(c)

Speed up: 79.0909

Effectivity is 2.47159