

Построчное умножение матрицы на вектор								
int			long long int			long double		
Size	Time	Memory	Size	Time	Memory	Size	Time	Memory
0	0.000297	0	0	0.000281	0	0	0.000266	0
1000	0.034731	3	1000	0.036686	7	1000	0.048837	15
2000	0.114258	15	2000	0.125411	30	2000	0.165924	61
3000	0.243423	34	3000	0.263497	68	3000	0.360589	137
4000	0.423855	61	4000	0.457899	122	4000	0.62771	244
5000	0.661233	95	5000	0.708257	190	5000	0.980383	381
6000	0.943199	137	6000	1.018964	274	6000	1.3992	549
7000	1.280731	187	7000	1.378743	374	7000	1.89584	748
8000	1.666131	244	8000	1.793644	488	8000	2.463316	977
9000	2.109487	309	9000	2.276378	618	9000	3.116146	1266
10000	2.598861	381	10000	2.815309	763	10000	3.83774	1563
11000	3.136387	462	11000	3.387722	923	11000	4.624986	1848
12000	3.766679	549	12000	4.021657	1099	12000	5.506922	2203
13000	4.38381	645	13000	4.751348	1289	13000	6.470153	2590
14000	5.100993	748	14000	5.457079	1496	14000	7.528061	3008
15000	5.830992	858	15000	6.254996	1717	15000	8.609159	3457
16000	6.620426	977	16000	7.110574	1953			
17000	7.507349	1103	17000	8.616533	2258			
18000	8.412649	1236	18000	9.639529	2531			
19000	9.400044	1377	19000	10.74082	2820			
20000	10.35764	1526	20000	11.89316	3125			
21000	11.40701	1682	21000	13.12453	3445			
22000	12.52427	1847						
23000	13.67507	2018						
24000	14.91217	2198						
25000	16.15778	2384						
26000	17.45564	2579						
27000	18.96839	2781						
28000	20.27388	2991						
29000	21.70471	3209						

Постолбцовое умножение матрицы на вектор								
int			long long int			long double		
Size	Time	Memory	Size	Time	Memory	Size	Time	Memory
0	0.000266	0	0	0.000277	0	0	0.000273	0
1000	0.045844	3	1000	0.050492	7	1000	0.067352	15
2000	0.153936	15	2000	0.17425	30	2000	0.257534	61
3000	0.34925	34	3000	0.400466	68	3000	0.57613	137
4000	0.634854	61	4000	0.730602	122	4000	1.006041	244
5000	1.005004	95	5000	1.148046	190	5000	1.597555	381
6000	1.455477	137	6000	1.654829	274	6000	2.346495	549
7000	2.020115	187	7000	2.270262	374	7000	3.171555	748
8000	2.703983	244	8000	3.049382	488	8000	4.077154	977
9000	3.435653	309	9000	3.985059	618	9000	5.457937	1266
10000	4.295775	381	10000	5.182594	763	10000	6.554153	1563
11000	5.267182	462	11000	6.584246	923	11000	8.239979	1848
12000	6.424988	549	12000	7.922597	1099	12000	9.672677	2203
13000	7.751622	645	13000	9.503617	1289	13000	11.25172	2590
14000	9.472783	748	14000	11.17164	1496	14000	13.36738	3008
15000	11.11668	858	15000	12.95067	1717	15000	14.68245	3457
16000	13.12744	977	16000	14.73592	1953			
17000	15.42382	1103	17000	16.61366	2258			
18000	17.89559	1236	18000	19.84339	2531			
19000	20.45468	1377	19000	21.43885	2820			
20000	23.47961	1526	20000	22.99295	3125			
21000	26.15467	1682	21000	26.02317	3445			
22000	28.68438	1847						
23000	31.52804	2018						
24000	34.84449	2198						
25000	38.2714	2384						
26000	41.81593	2579						
27000	45.47597	2781						
28000	49.86779	2991						
29000	54.36382	3209						

Умножение строки на матрицу								
int			long long int			long double		
Size	Time	Memory	Size	Time	Memory	Size	Time	Memory
0	0.000293	0	0	0.000275	0	0	0.000272	0
1000	0.033555	3	1000	0.03768	7	1000	0.049767	15
2000	0.113823	15	2000	0.124299	30	2000	0.167378	61
3000	0.24827	34	3000	0.26723	68	3000	0.363074	137
4000	0.434107	61	4000	0.465252	122	4000	0.629788	244
5000	0.670482	95	5000	0.720942	190	5000	0.97834	381
6000	0.960466	137	6000	1.036814	274	6000	1.415937	549
7000	1.30179	187	7000	1.400735	374	7000	1.89284	748
8000	1.694228	244	8000	1.823181	488	8000	2.479018	977
9000	2.146784	309	9000	2.31143	618	9000	3.123148	1266
10000	2.643232	381	10000	2.846151	763	10000	3.858981	1563
11000	3.195083	462	11000	3.43672	923	11000	4.637463	1848
12000	3.805988	549	12000	4.086982	1099	12000	5.489816	2203
13000	4.458565	645	13000	4.792333	1289	13000	6.500934	2590
14000	5.167634	748	14000	5.542792	1496	14000	7.483609	3008
15000	5.918455	858	15000	6.353093	1717	15000	8.61877	3457
16000	6.732869	977	16000	7.225757	1953			
17000	7.623659	1103	17000	8.179514	2258			
18000	8.538661	1236	18000	9.150194	2531			
19000	9.502217	1377	19000	10.21148	2820			
20000	10.52864	1526	20000	11.29252	3125			
21000	11.61143	1682	21000	12.47544	3445			
22000	12.7457	1847						
23000	13.89563	2018						
24000	15.13442	2198						
25000	16.40908	2384						
26000	17.7614	2579						
27000	19.13651	2781						
28000	20.58895	2991						
29000	22.07475	3209						



