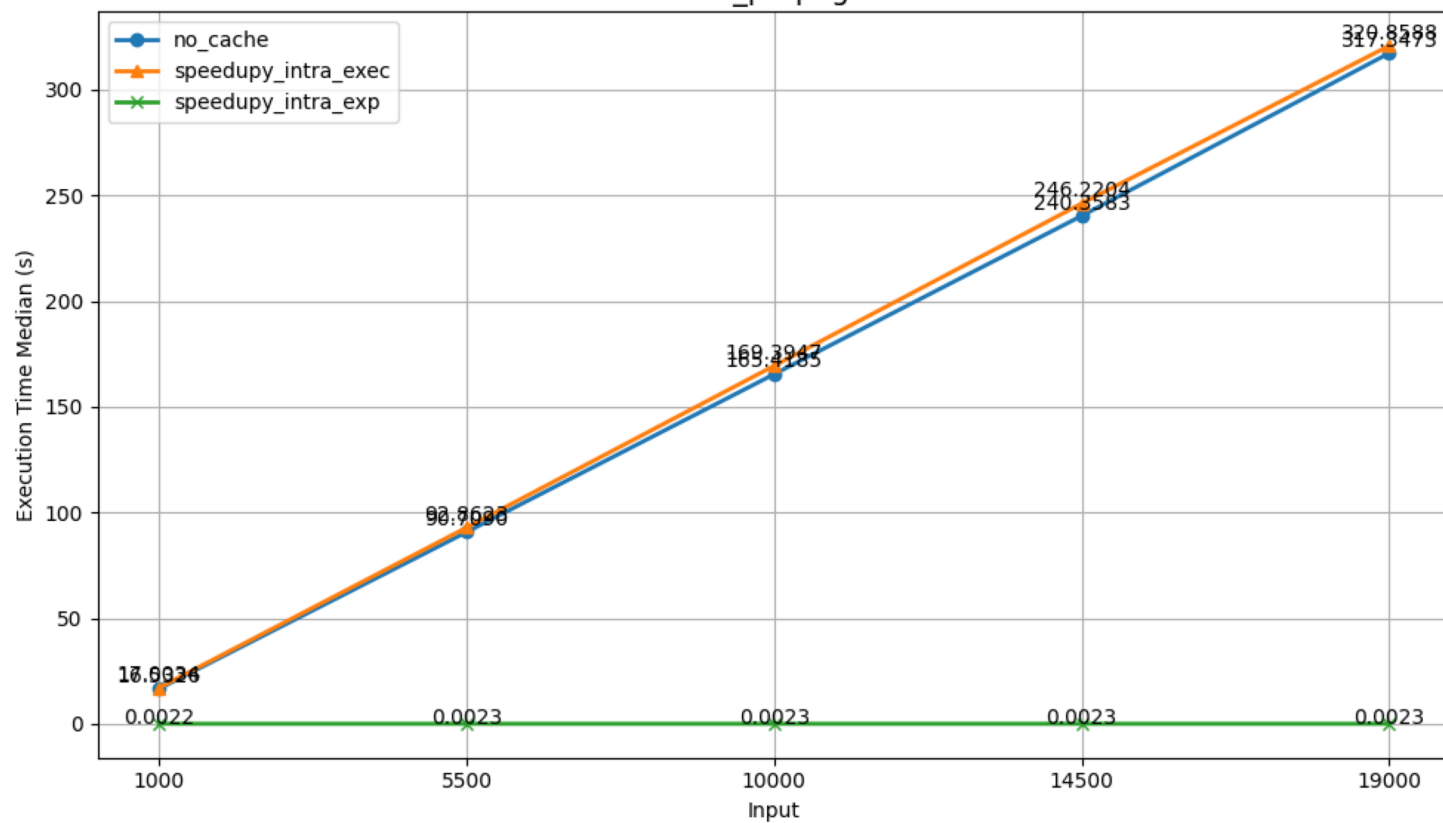
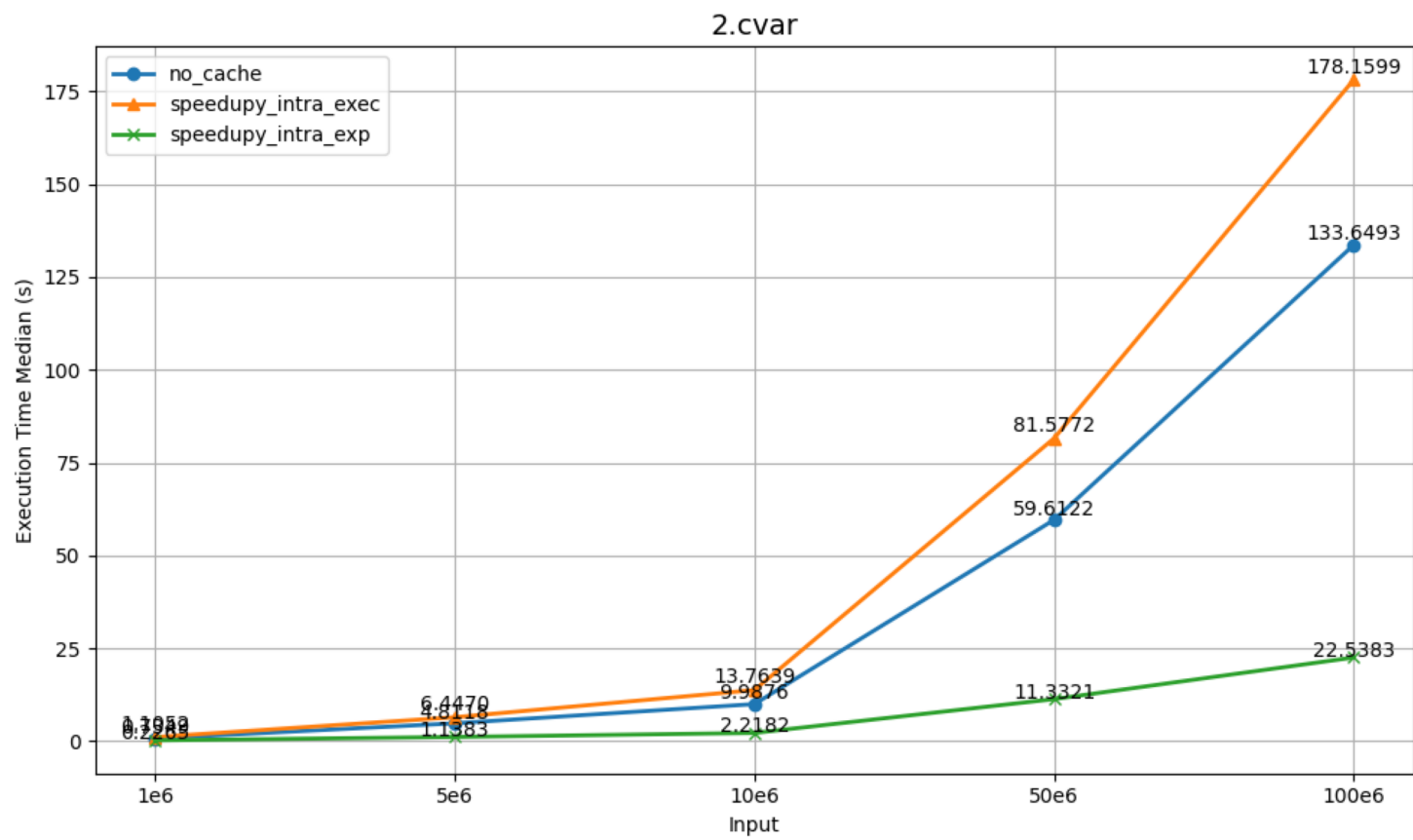
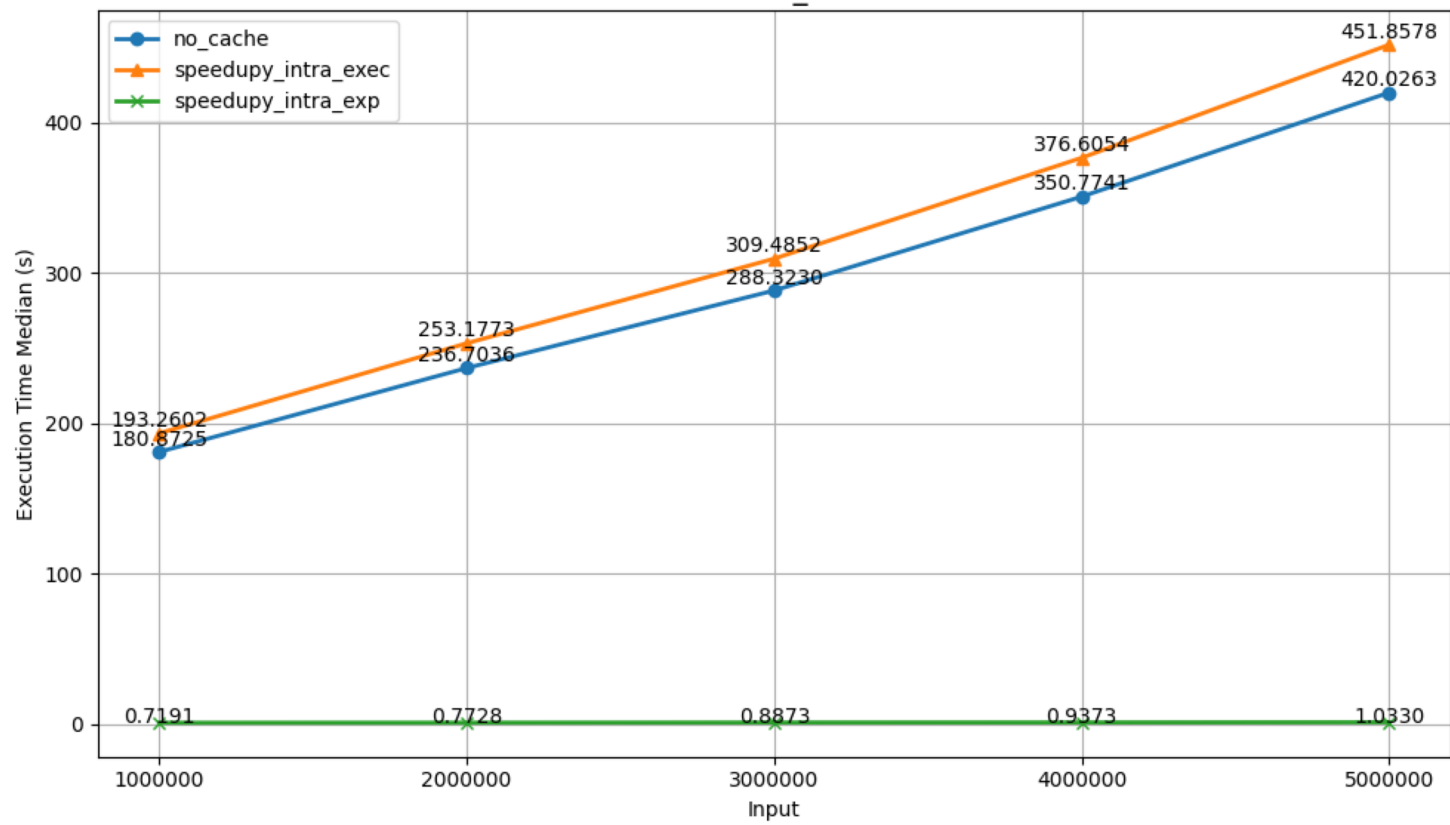


# 1.belief\_propagation

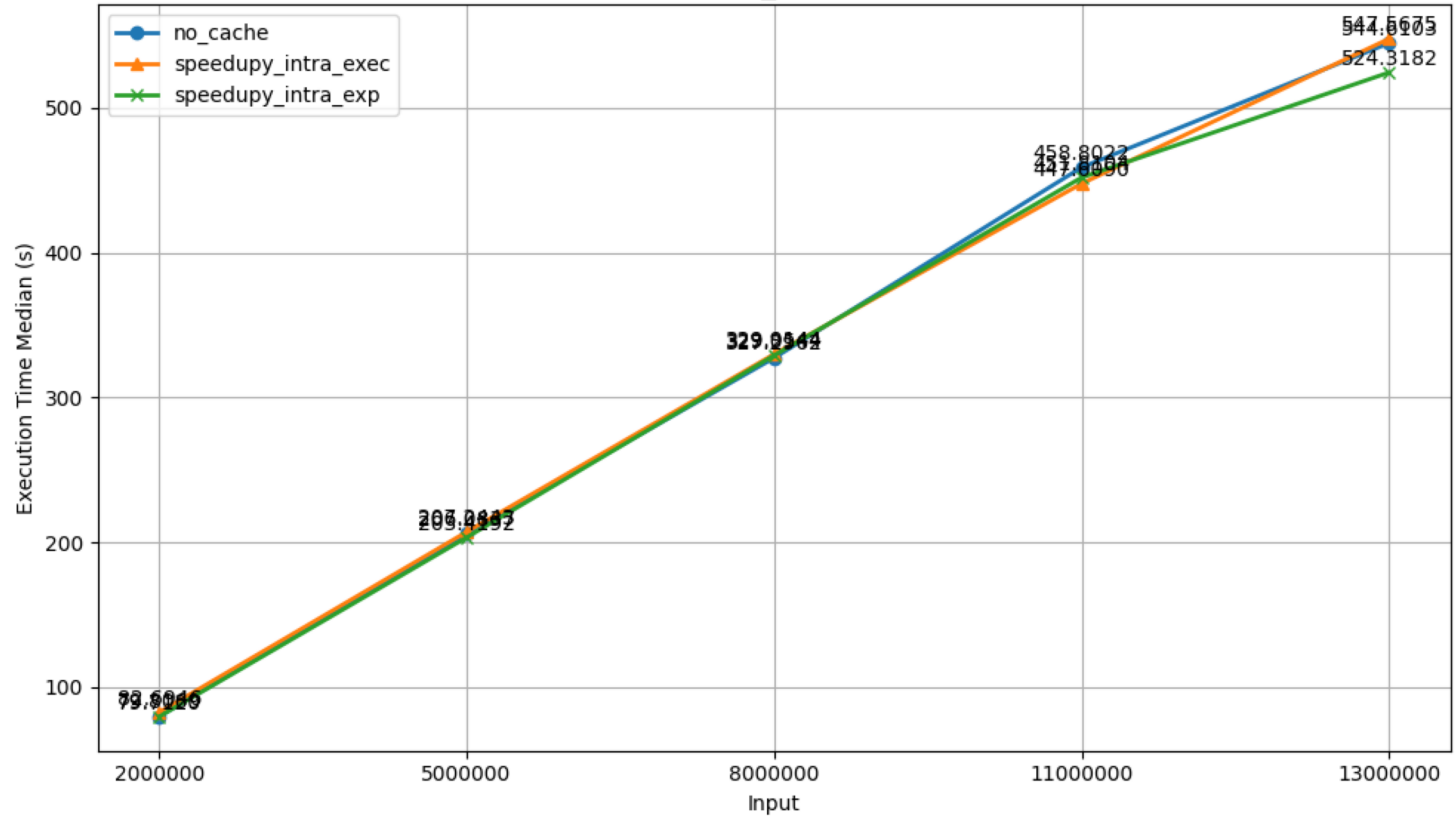




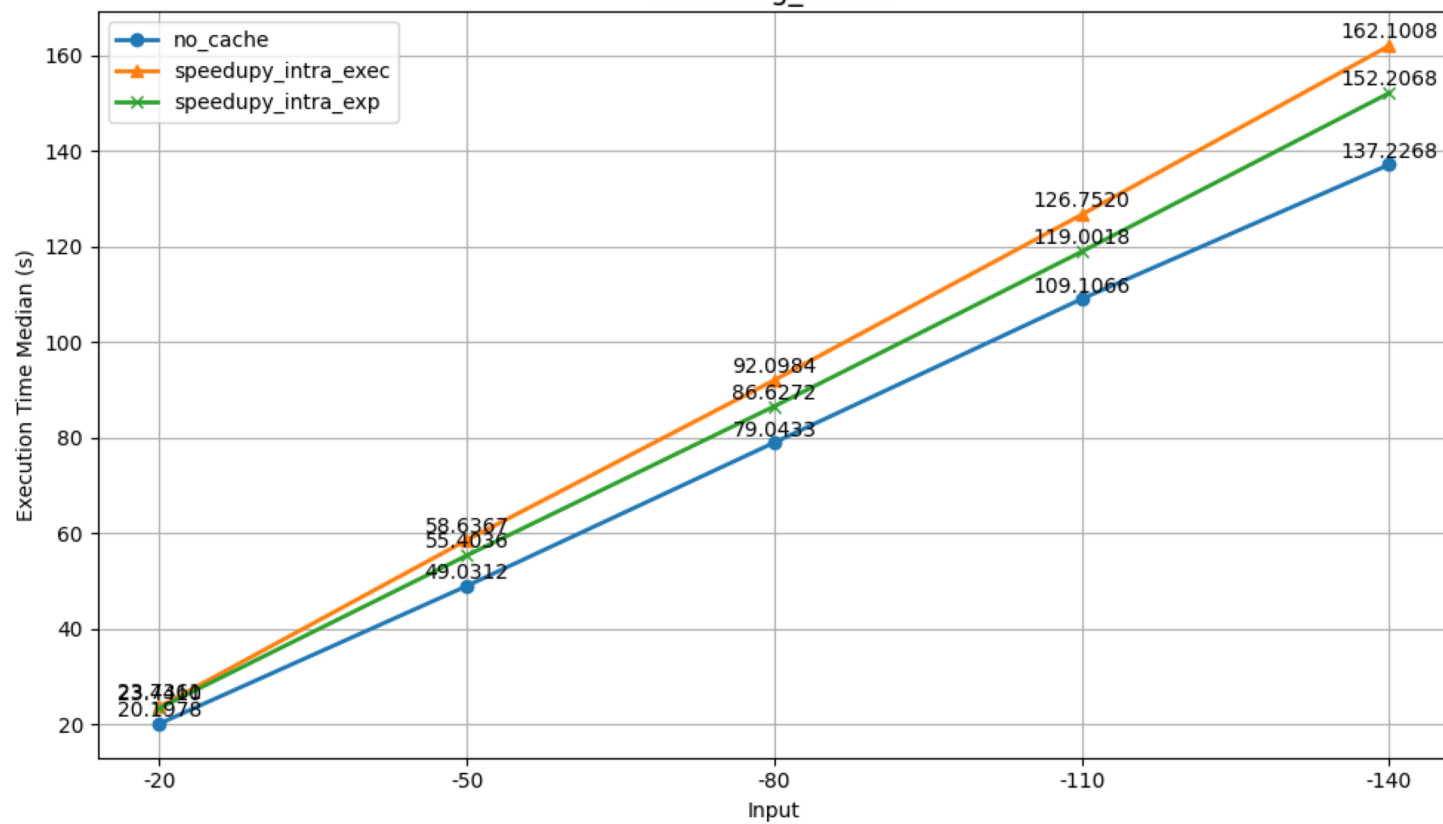
3.vince\_sim



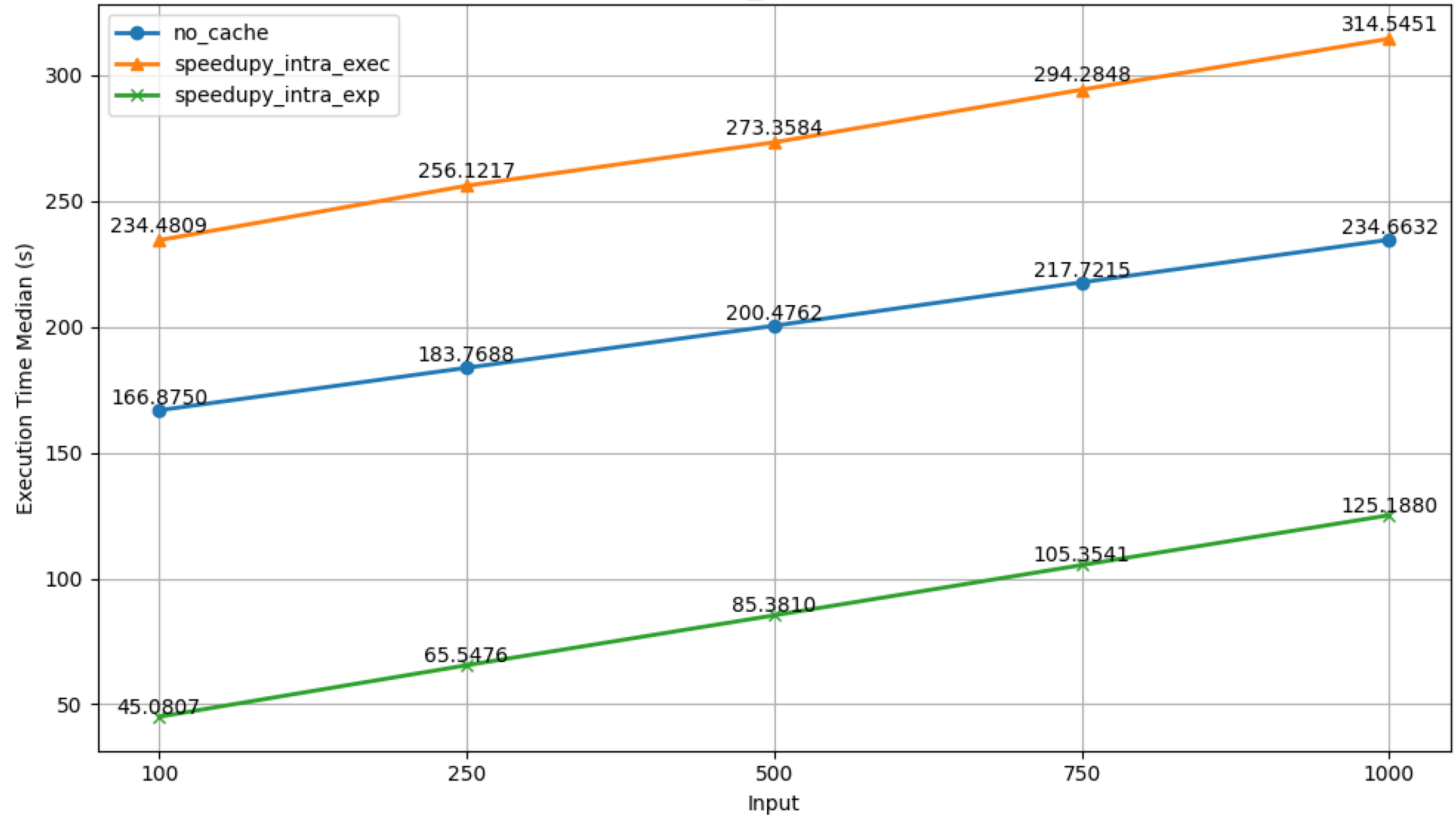
4.basic\_spheres

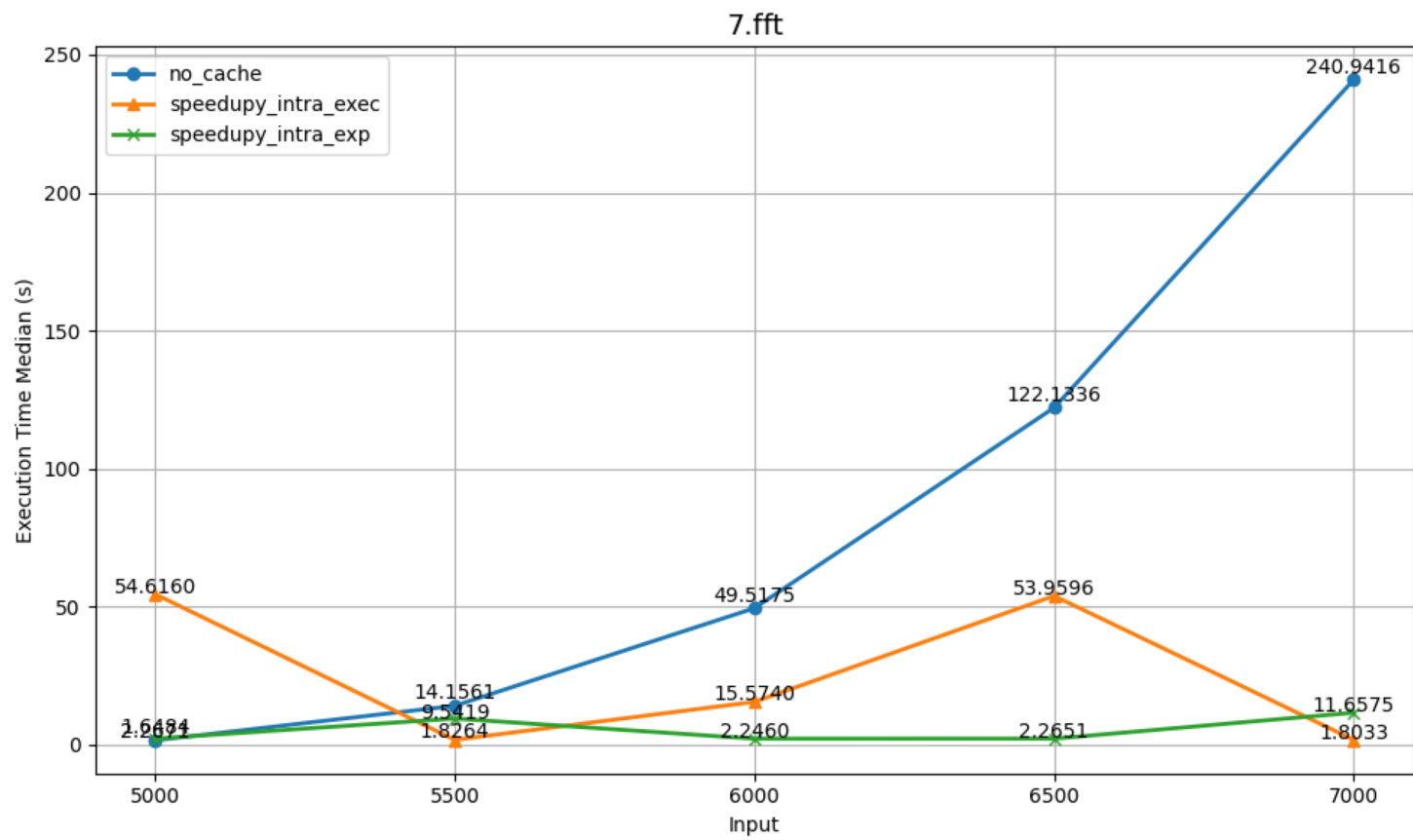


5.walking\_colloid

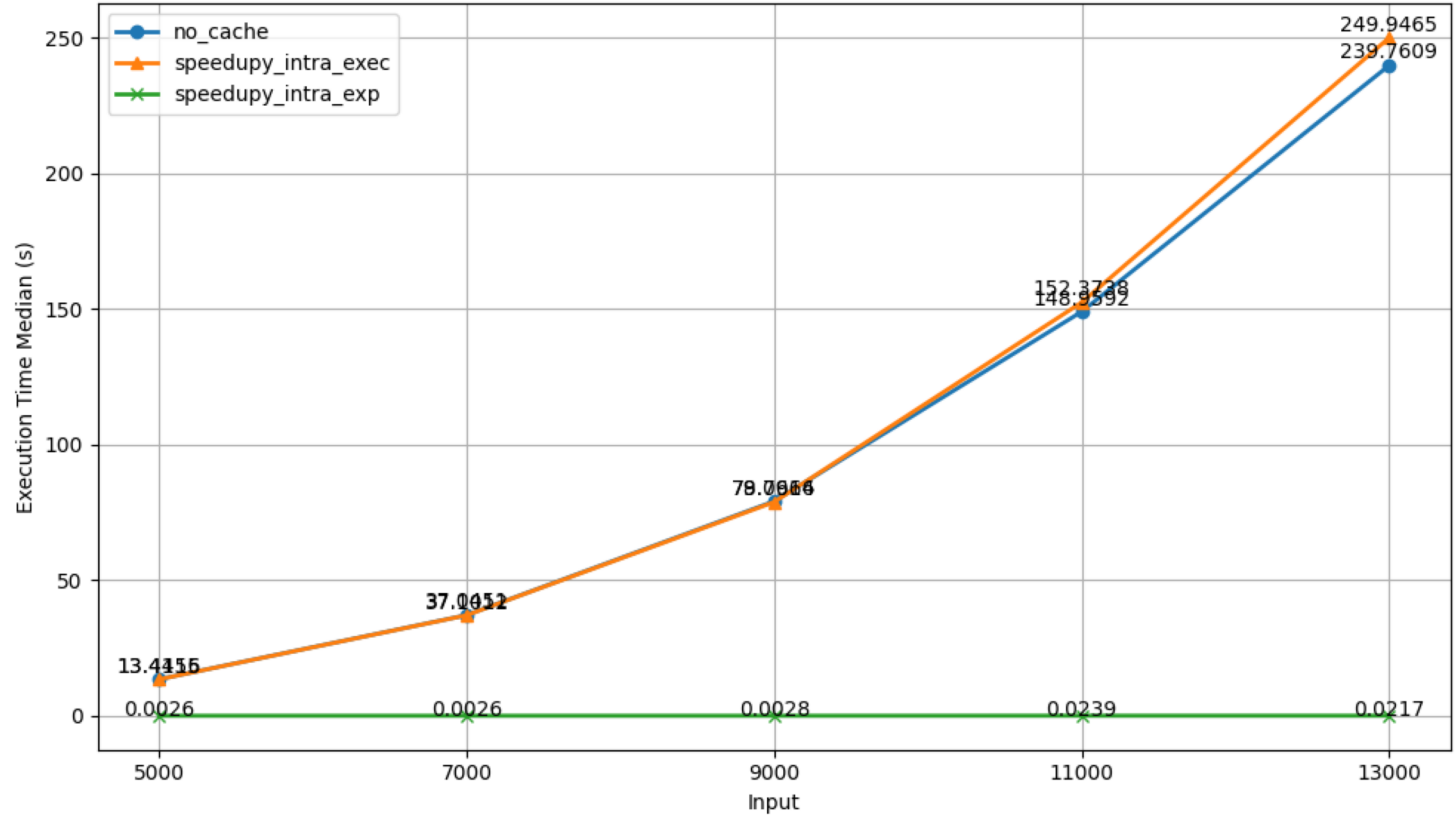


6.epr\_analyse



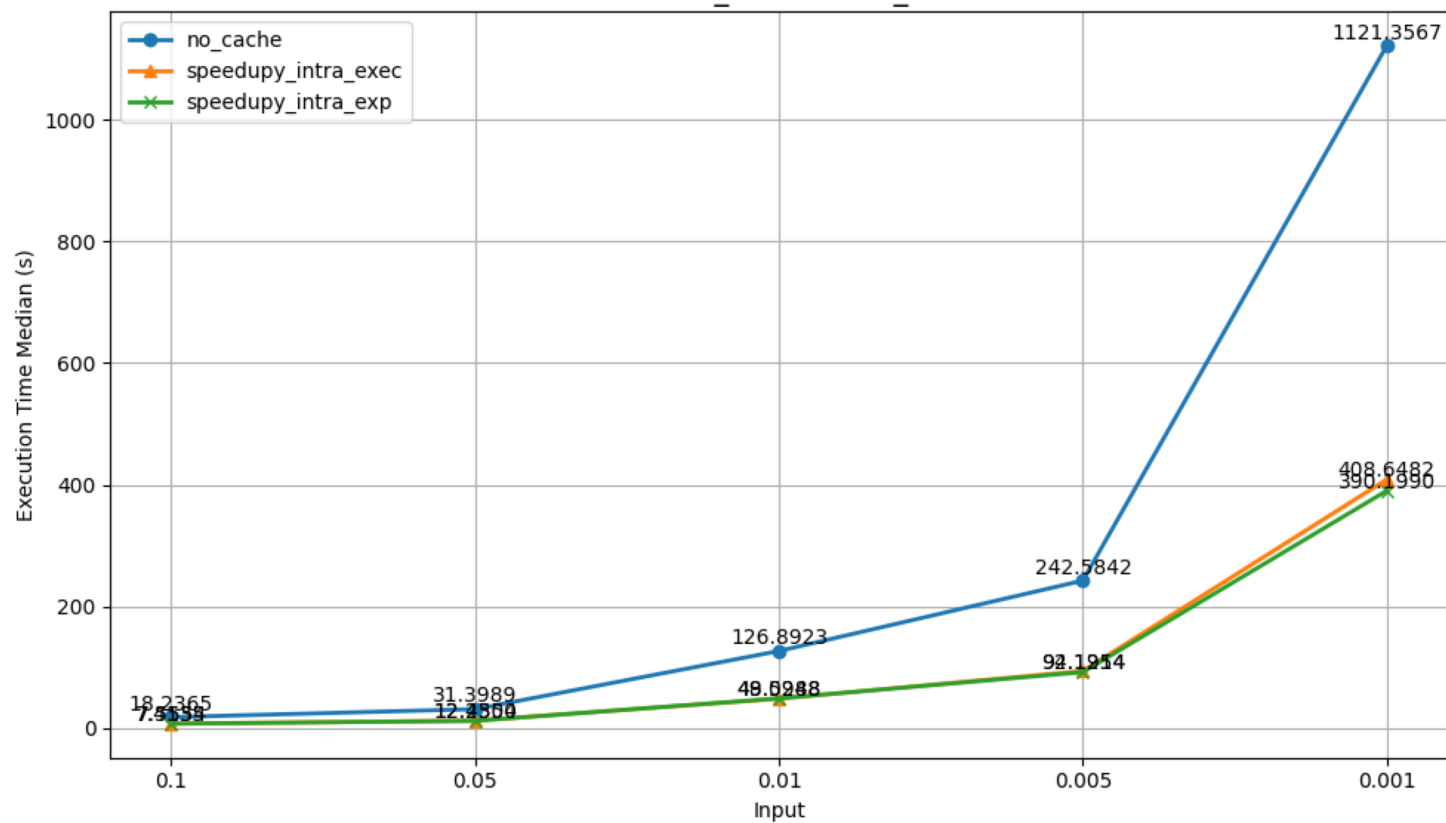


8.gauss\_legendre\_quadrature

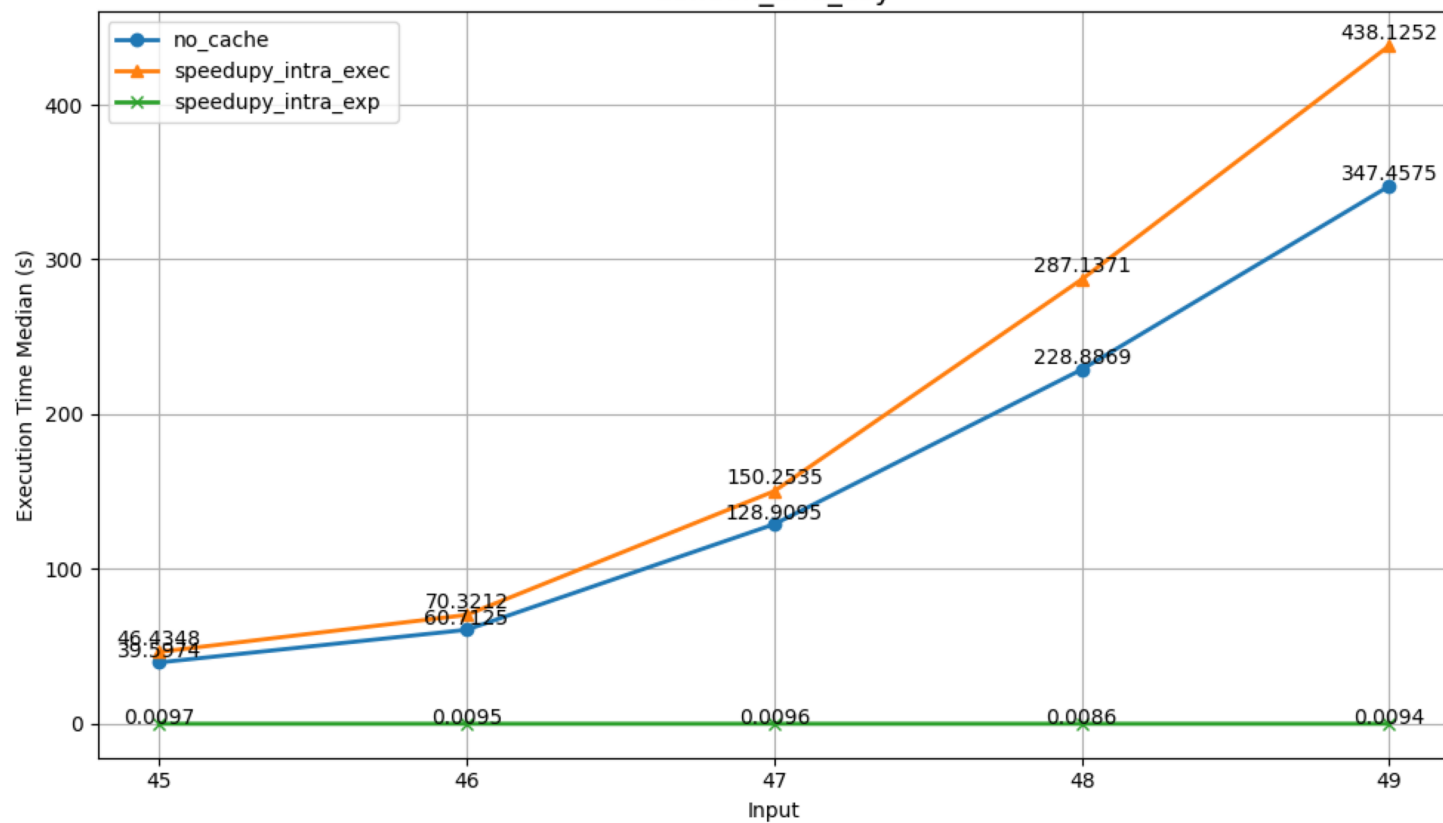




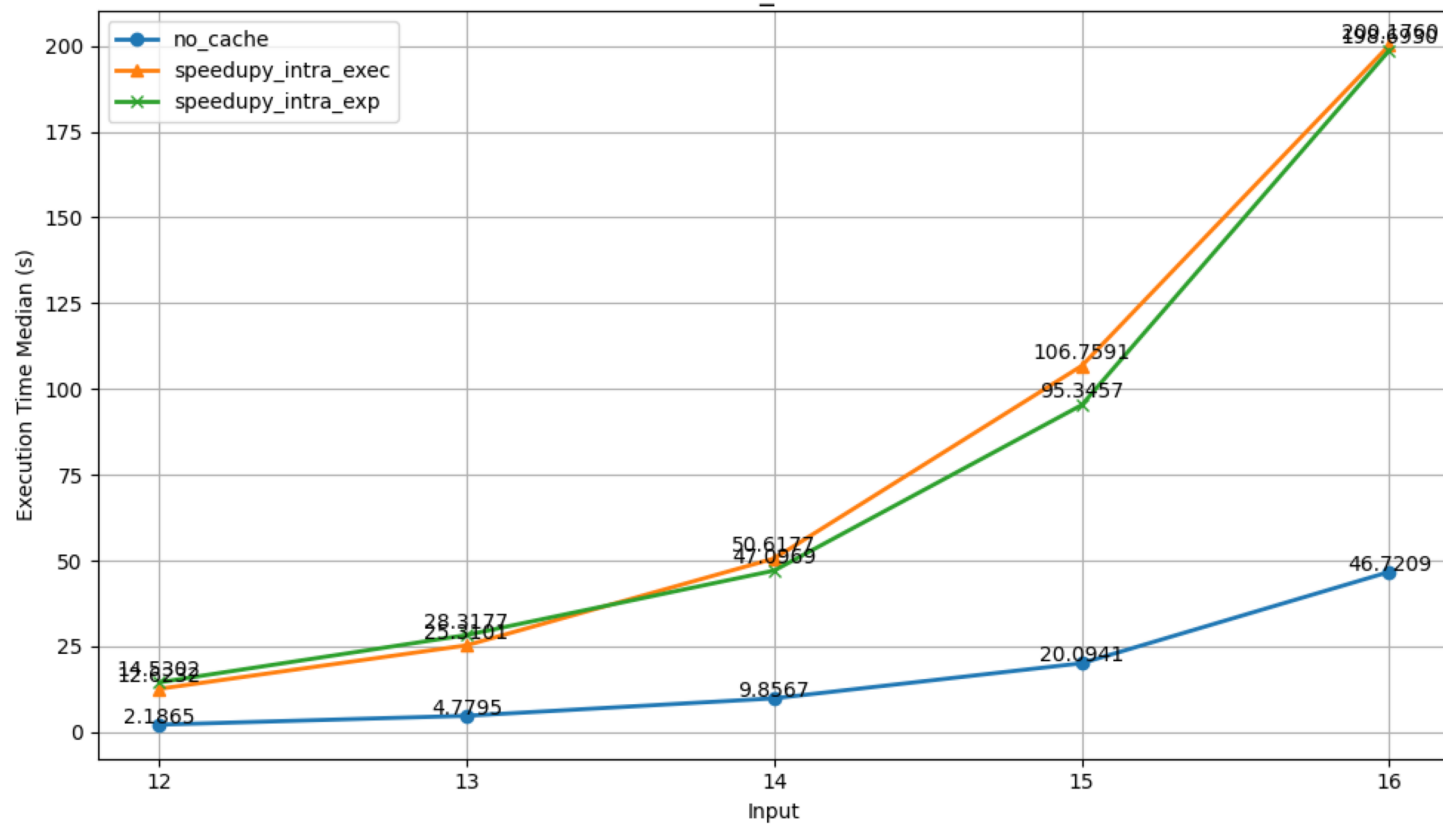
9.heat\_distribution\_lu



# 10.look\_and\_say



# 11.TINY\_GSHCGP



Experiment	Input	Time (s)	Best Method
1.belief_propagation	19000	0.0023	speedupy_intra_exp
2.cvar	100e6	22.5383	speedupy_intra_exp
3.vince_sim	5000000	1.0330	speedupy_intra_exp
4.basic_spheres	13000000	524.3182	speedupy_intra_exp
5.walking_colloid	-140	137.2268	no_cache
6.epr_analyse	1000	125.1880	speedupy_intra_exp
7.fft	7000	1.8033	speedupy_intra_exec
8.gauss_legendre_quadrature	13000	0.0217	speedupy_intra_exp
9.heat_distribution_lu	0.001	390.1990	speedupy_intra_exp
10.look_and_say	49	0.0094	speedupy_intra_exp
11.TINY_GSHCGP	16	46.7209	no_cache

Experiment	Input 1	Input 2	Input 3	Input 4	Input 5
<b>1.belief_propagation</b>	0.0022 (speedupy_intra_exp)	0.0023 (speedupy_intra_exp)	0.0023 (speedupy_intra_exp)	0.0023 (speedupy_intra_exp)	0.0023 (speedupy_intra_exp)
<b>2.cvar</b>	0.2265 (speedupy_intra_exp)	1.1383 (speedupy_intra_exp)	2.2182 (speedupy_intra_exp)	11.3321 (speedupy_intra_exp)	22.5383 (speedupy_intra_exp)
<b>3.vince_sim</b>	0.7191 (speedupy_intra_exp)	0.7728 (speedupy_intra_exp)	0.8873 (speedupy_intra_exp)	0.9373 (speedupy_intra_exp)	1.0330 (speedupy_intra_exp)
<b>4.basic_spheres</b>	79.7120 (speedupy_intra_exp)	203.4192 (speedupy_intra_exp)	327.2962 (no_cache)	447.6090 (speedupy_intra_exec)	524.3182 (speedupy_intra_exp)
<b>5.walking_colloid</b>	20.1978 (no_cache)	49.0312 (no_cache)	79.0433 (no_cache)	109.1066 (no_cache)	137.2268 (no_cache)
<b>6.epr_analyse</b>	45.0807 (speedupy_intra_exp)	65.5476 (speedupy_intra_exp)	85.3810 (speedupy_intra_exp)	105.3541 (speedupy_intra_exp)	125.1880 (speedupy_intra_exp)
<b>7.fft</b>	1.6484 (no_cache)	1.8264 (speedupy_intra_exec)	2.2460 (speedupy_intra_exp)	2.2651 (speedupy_intra_exp)	1.8033 (speedupy_intra_exec)
<b>8.gauss_legendre_quadrature</b>	0.0026 (speedupy_intra_exp)	0.0026 (speedupy_intra_exp)	0.0028 (speedupy_intra_exp)	0.0239 (speedupy_intra_exp)	0.0217 (speedupy_intra_exp)
<b>9.heat_distribution_lu</b>	7.4135 (speedupy_intra_exp)	12.2554 (speedupy_intra_exp)	48.5248 (speedupy_intra_exec)	92.1914 (speedupy_intra_exp)	390.1990 (speedupy_intra_exp)
<b>10.look_and_say</b>	0.0097 (speedupy_intra_exp)	0.0095 (speedupy_intra_exp)	0.0096 (speedupy_intra_exp)	0.0086 (speedupy_intra_exp)	0.0094 (speedupy_intra_exp)
<b>11.TINY_GSHCGP</b>	2.1865 (no_cache)	4.7795 (no_cache)	9.8567 (no_cache)	20.0941 (no_cache)	46.7209 (no_cache)

Experiment	Time no-cache	Time SpeeduPy	Speed up
<b>1.belief_propagation</b>	317.3473	0.0023	<b>139006.77 x</b>
<b>2.cvar</b>	133.6493	22.5383	<b>5.93 x</b>
<b>3.vince_sim</b>	420.0263	1.0330	<b>406.61 x</b>
<b>4.basic_spheres</b>	544.6103	524.3182	<b>1.04 x</b>
<b>5.walking_colloid</b>	137.2268	152.2068	<b>0.90 x</b>
<b>6.epr_analyse</b>	234.6632	125.1880	<b>1.87 x</b>
<b>7.fft</b>	240.9416	11.6575	<b>20.67 x</b>
<b>8.gauss_legendre_quadrature</b>	239.7609	0.0217	<b>11028.16 x</b>
<b>9.heat_distribution_lu</b>	1121.3567	390.1990	<b>2.87 x</b>
<b>10.look_and_say</b>	347.4575	0.0094	<b>36982.68 x</b>
<b>11.TINY_GSHCGP</b>	46.7209	198.6930	<b>0.24 x</b>