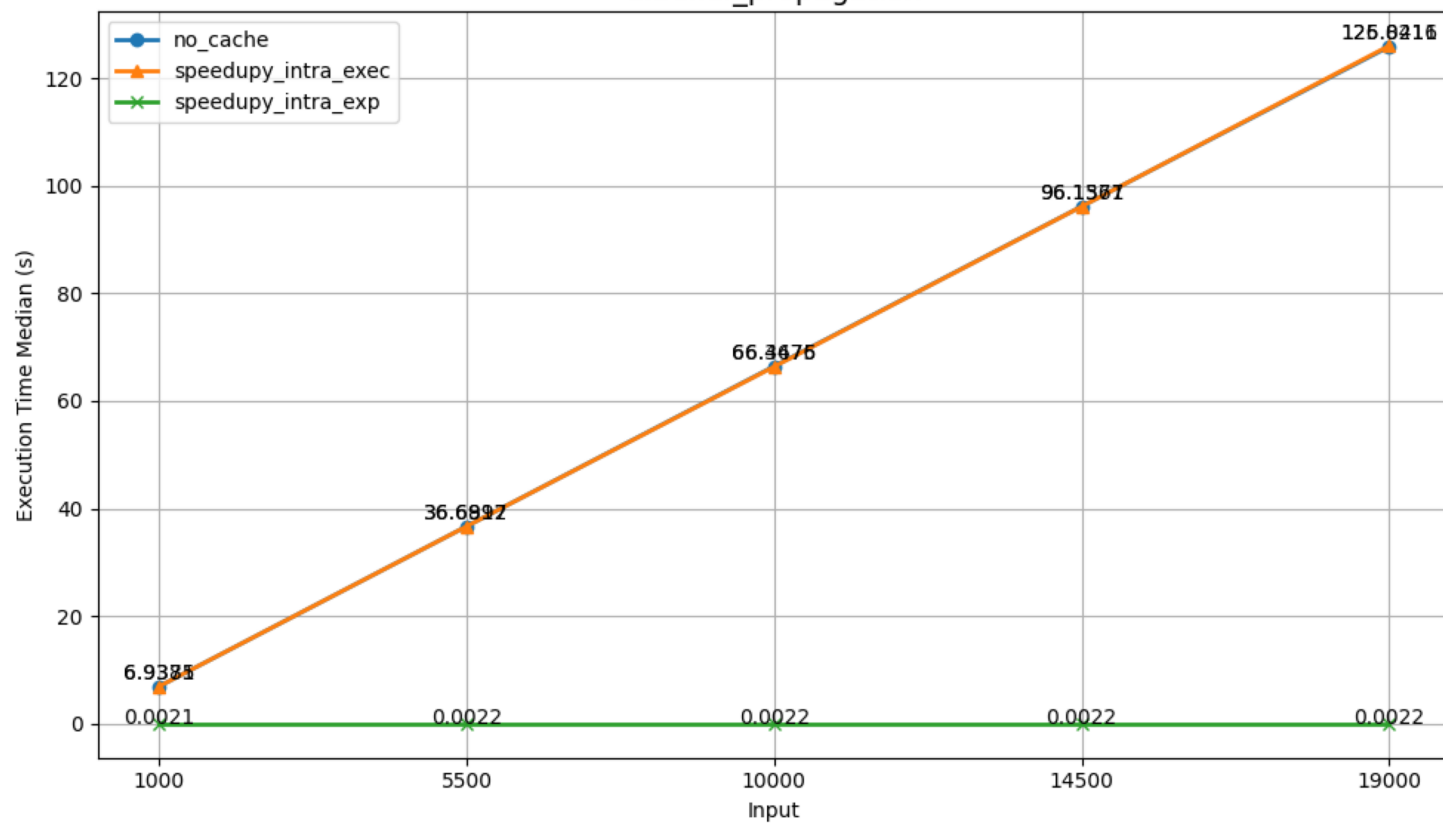
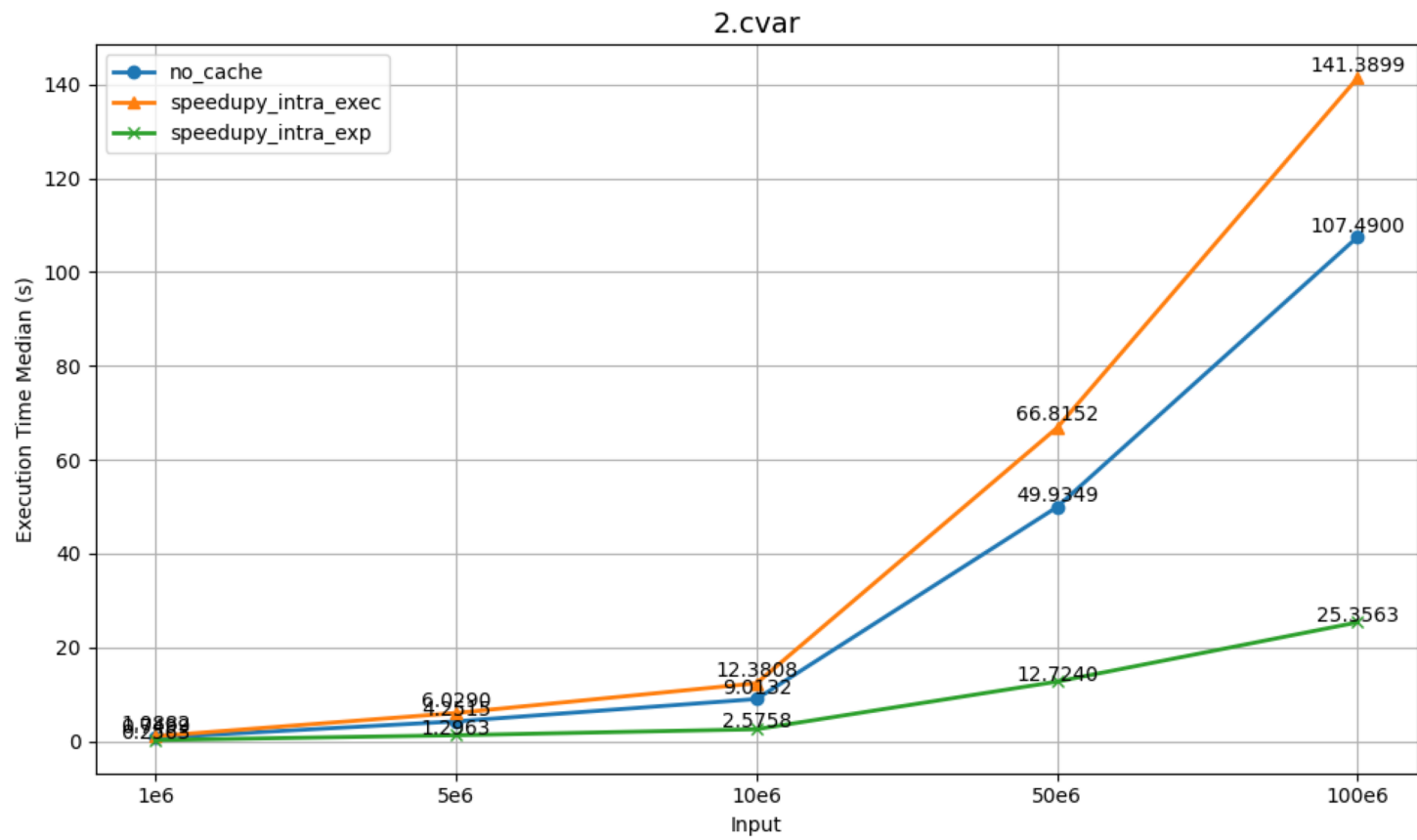
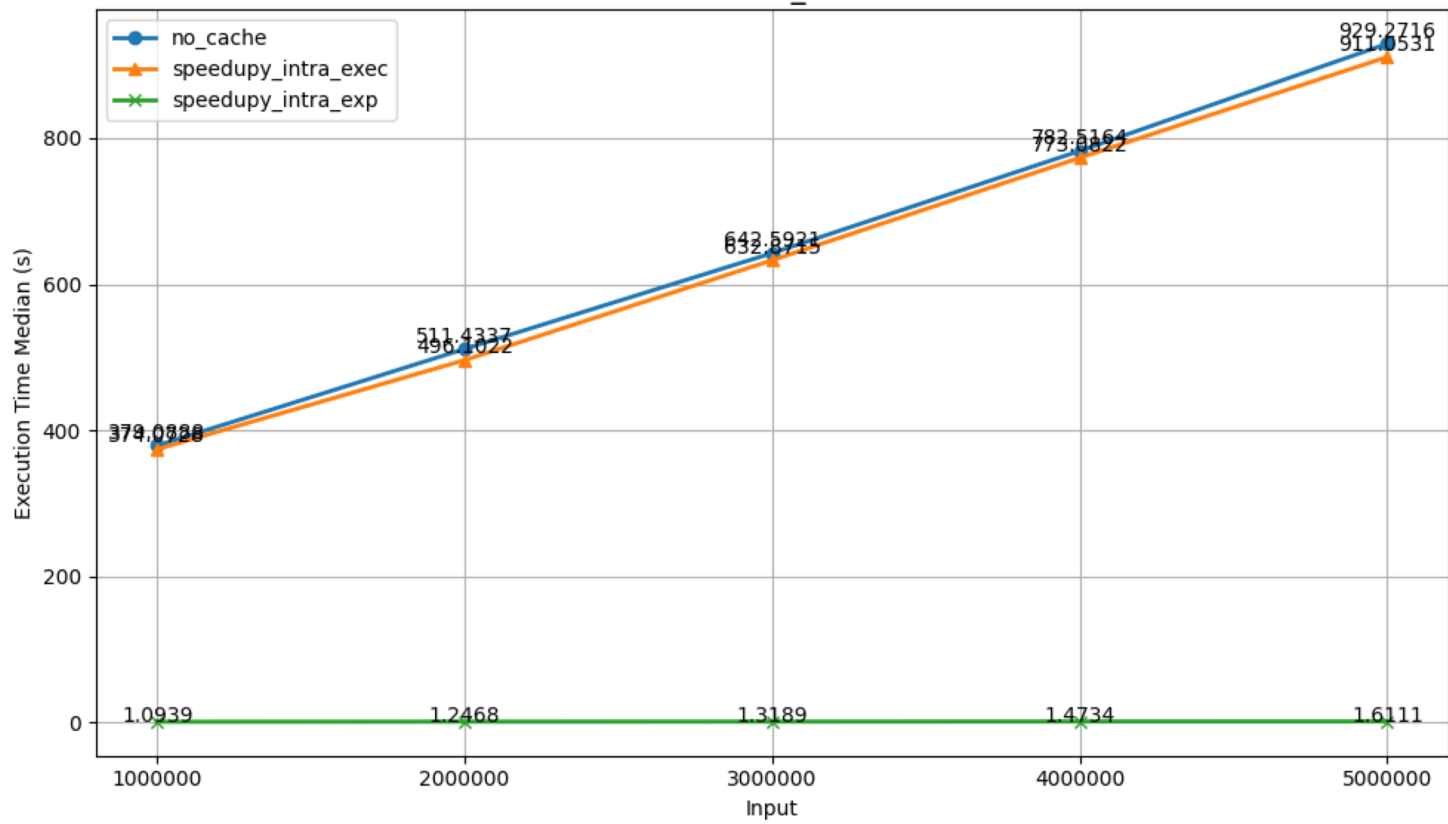


1.belief\_propagation

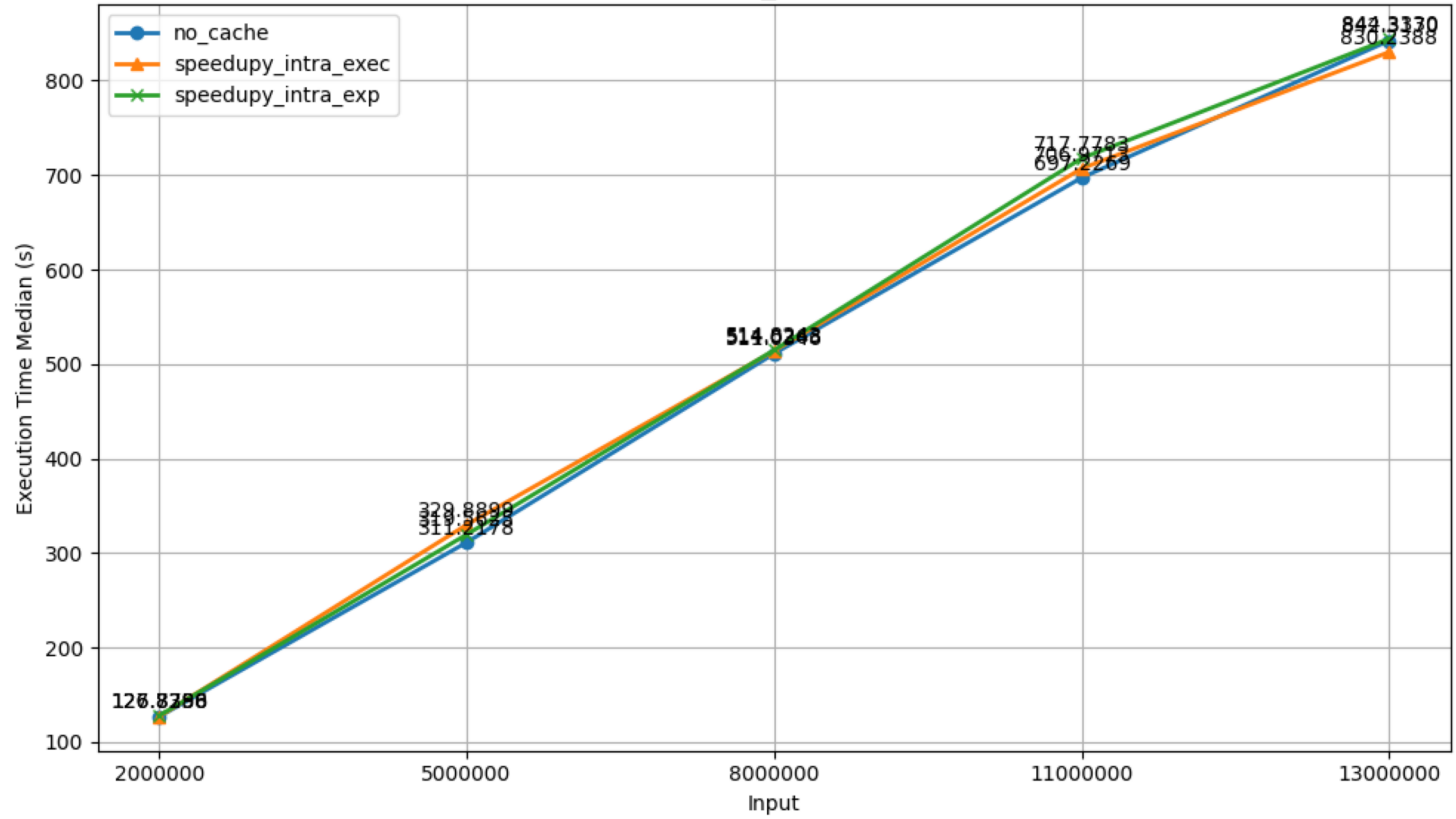




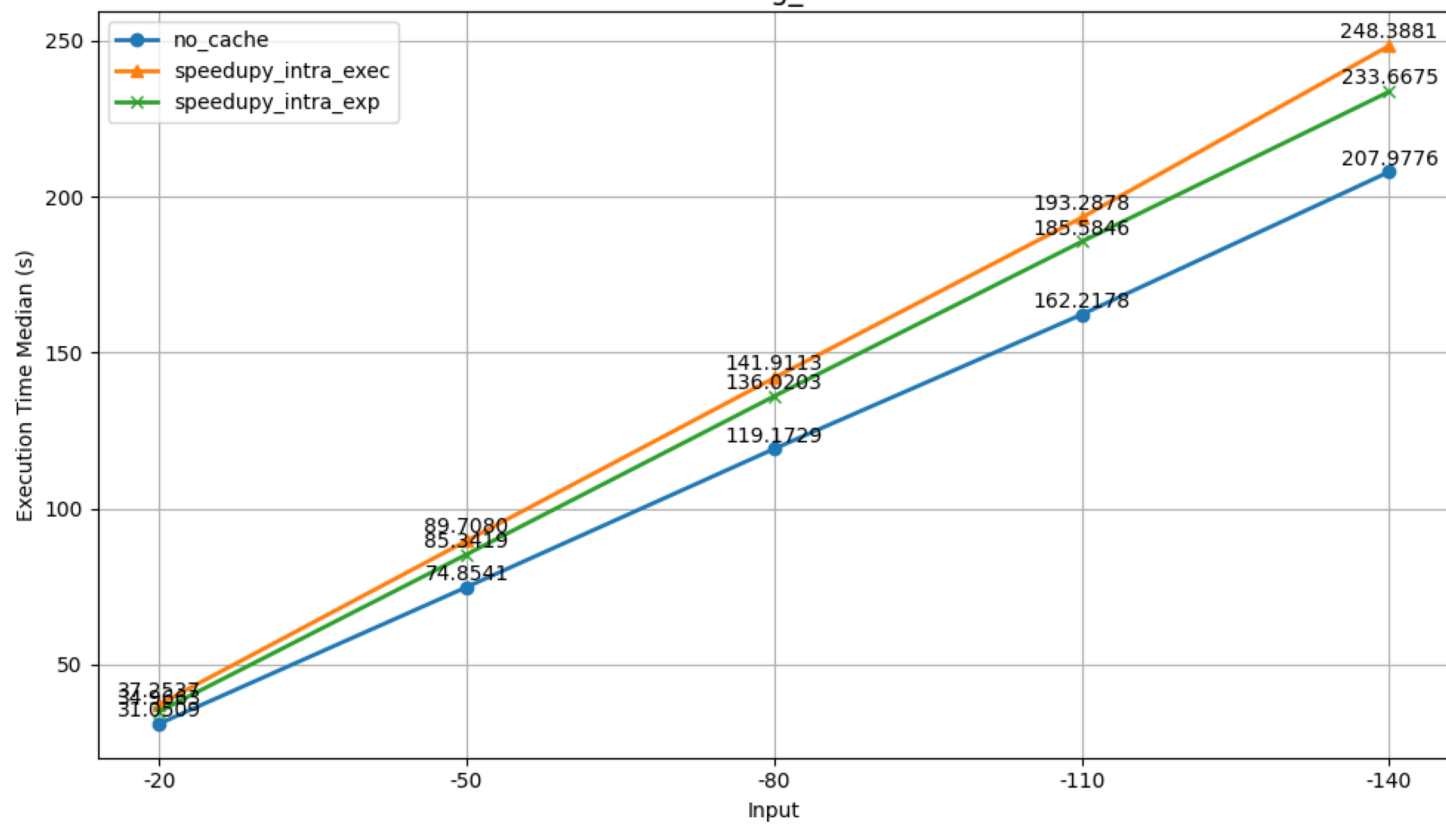
3.vince\_sim



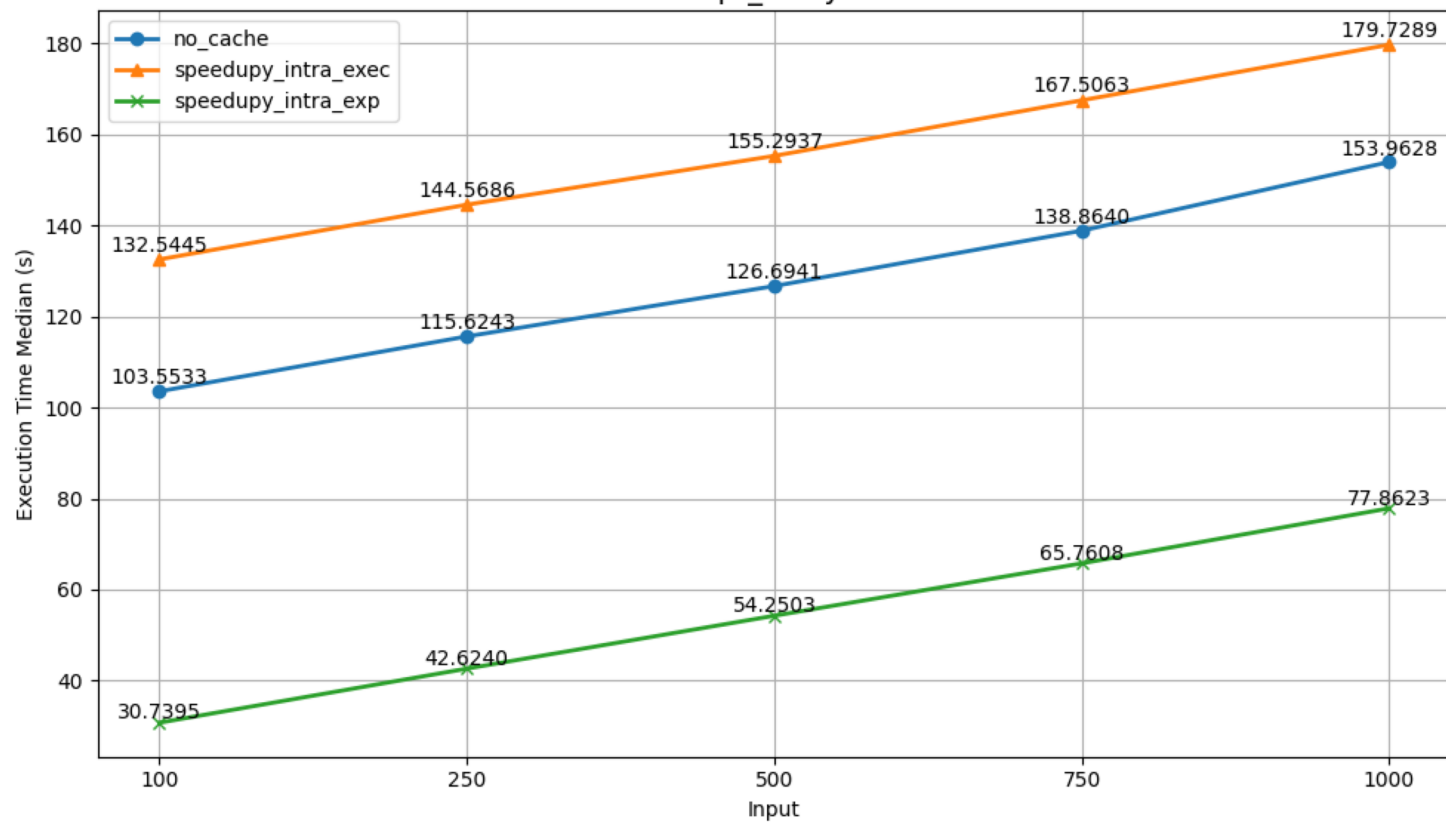
4.basic\_spheres

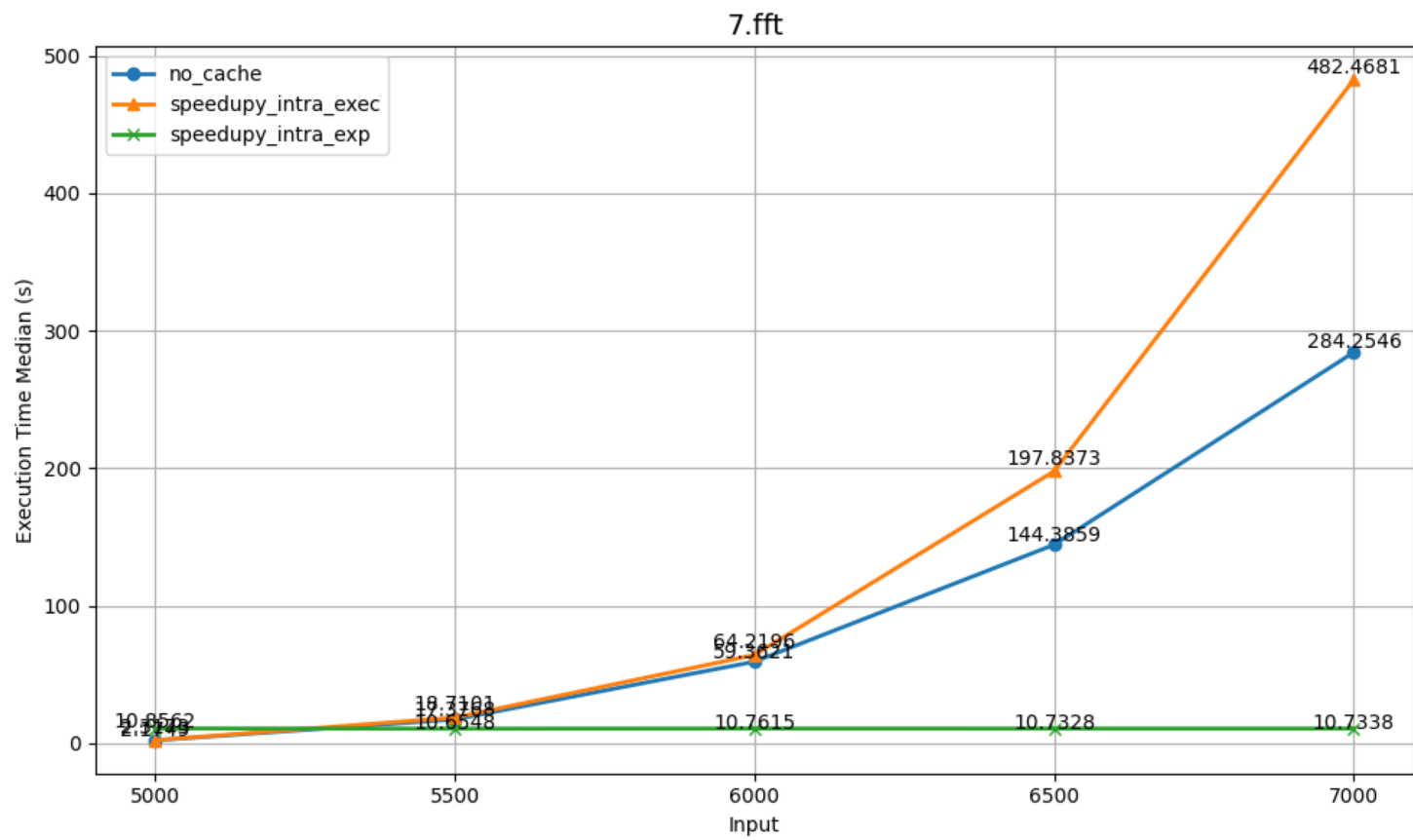


5.walking\_colloid

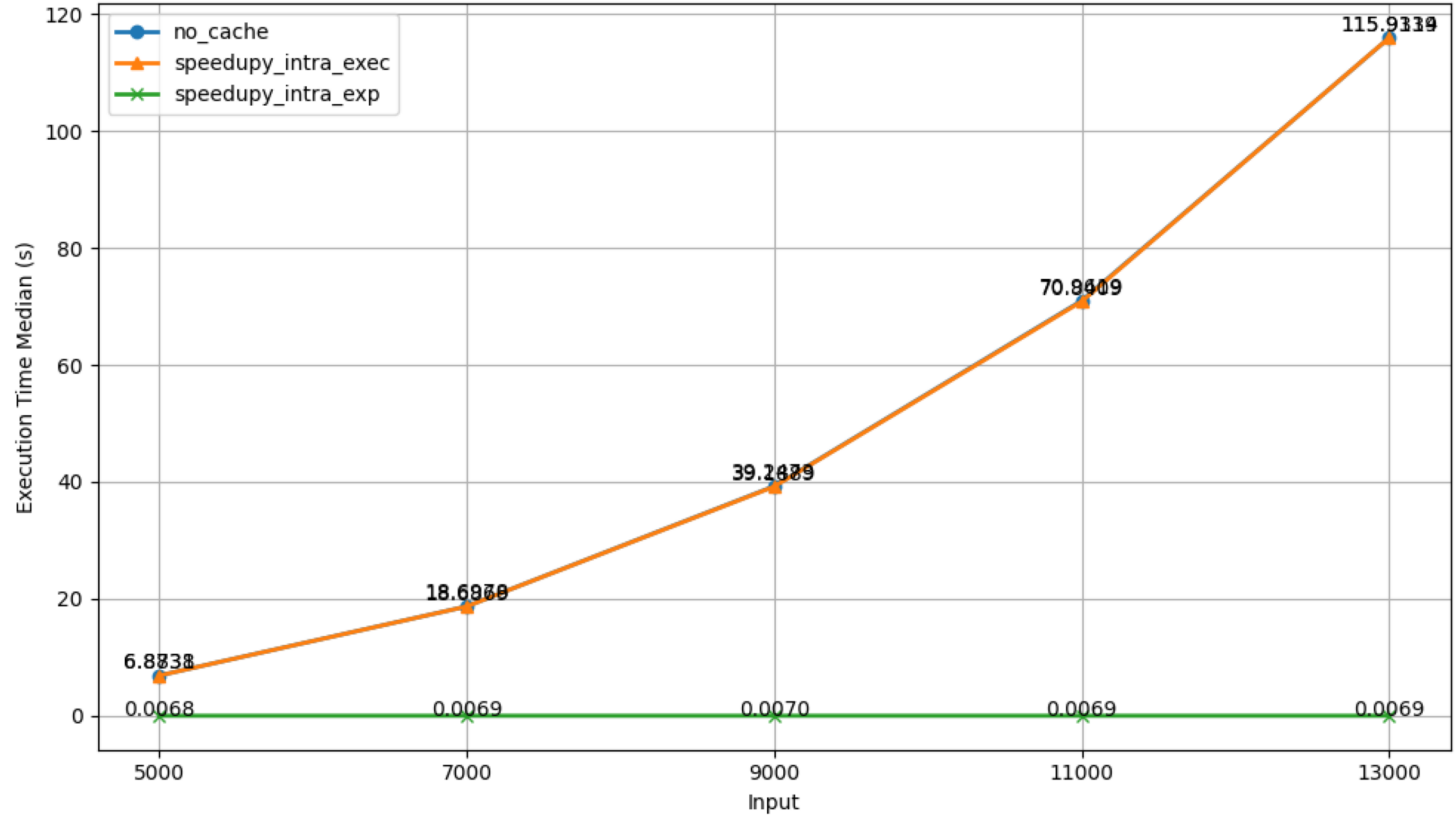


6.epr\_analyse



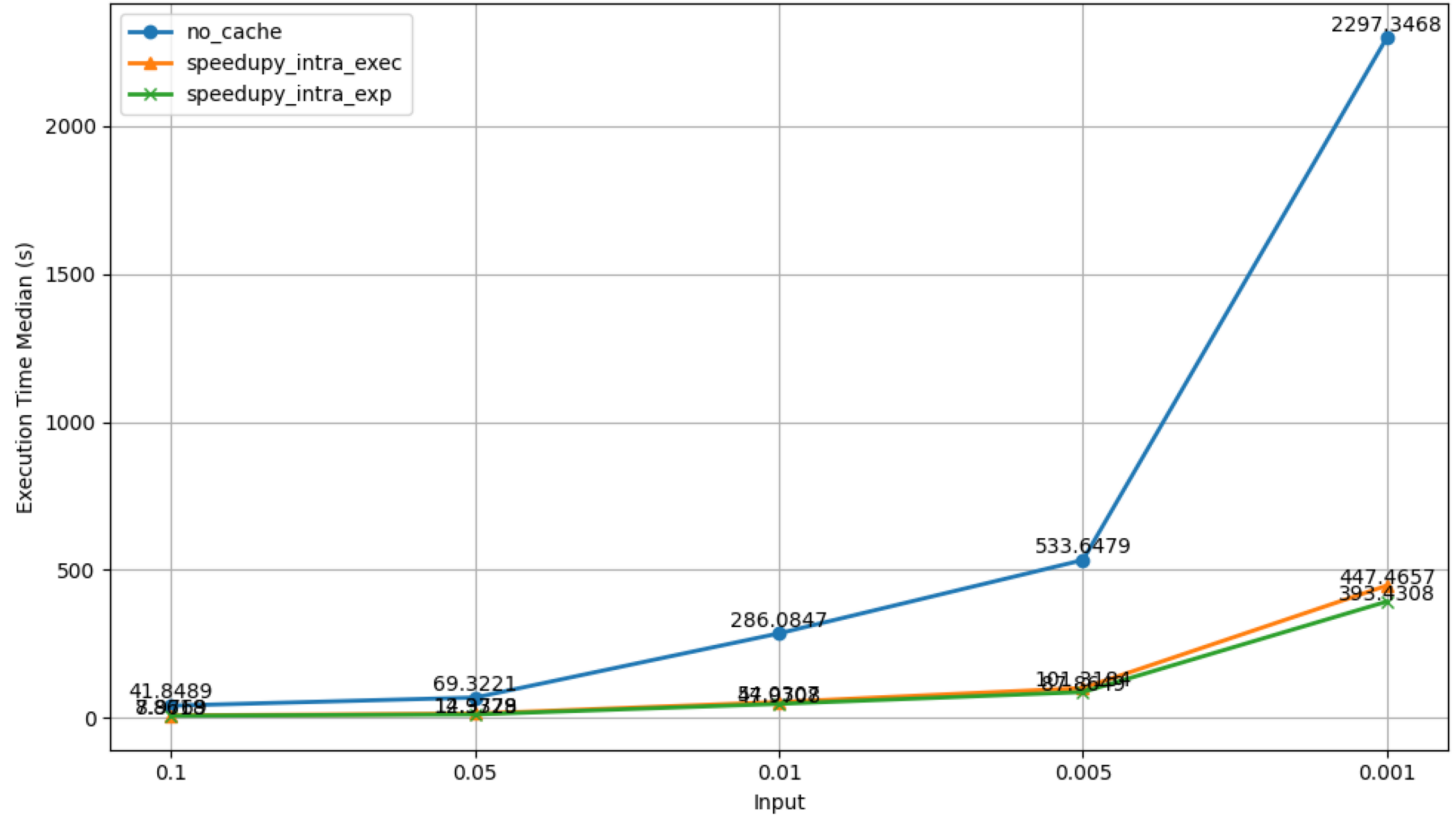


8.gauss\_legendre\_quadrature

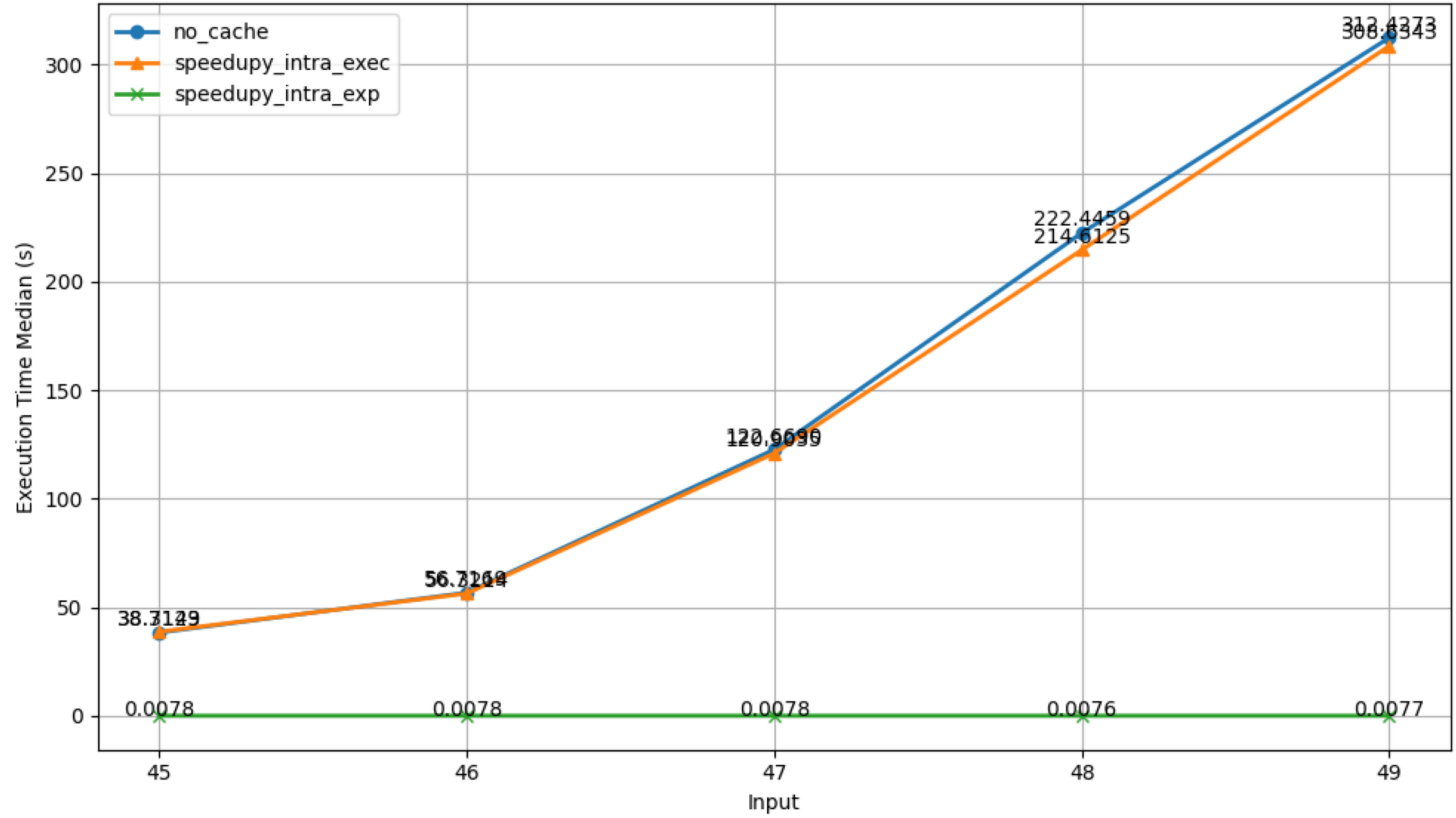




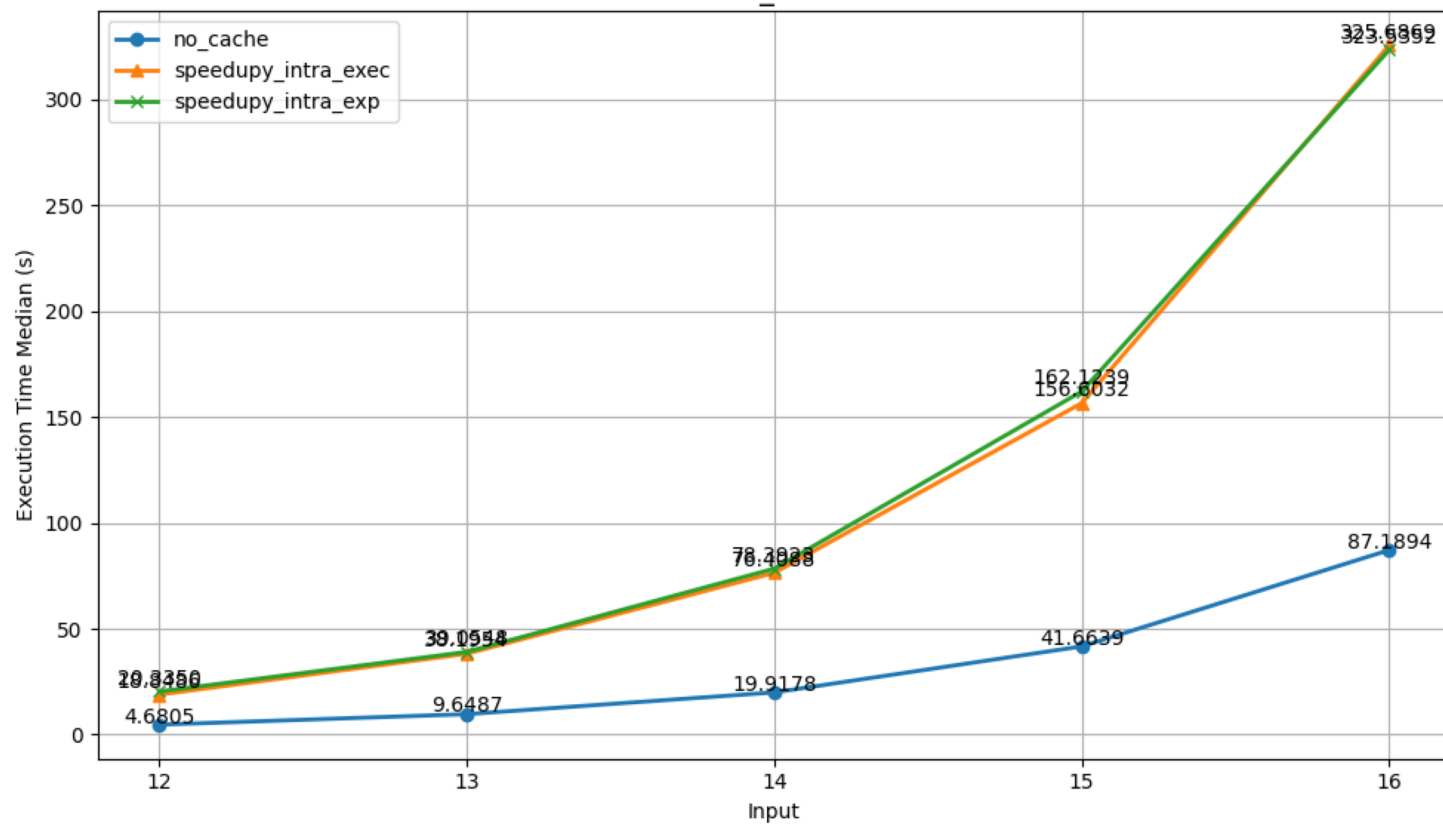
9.heat\_distribution\_lu



10.look\_and\_say



11.TINY\_GSHCGP



Experiment	Input	Time (s)	Best Method
1.belief_propagation	19000	0.0022	speedupy_intra_exp
2.cvar	100e6	25.3563	speedupy_intra_exp
3.vince_sim	5000000	1.6111	speedupy_intra_exp
4.basic_spheres	13000000	830.2388	speedupy_intra_exec
5.walking_colloid	-140	207.9776	no_cache
6.epr_analyse	1000	77.8623	speedupy_intra_exp
7.fft	7000	10.7338	speedupy_intra_exp
8.gauss_legendre_quadrature	13000	0.0069	speedupy_intra_exp
9.heat_distribution_lu	0.001	393.4308	speedupy_intra_exp
10.look_and_say	49	0.0077	speedupy_intra_exp
11.TINY_GSHCGP	16	87.1894	no_cache

Experiment	Input 1	Input 2	Input 3	Input 4	Input 5
<b>1.belief_propagation</b>	0.0021 (speedupy_intra_exp)	0.0022 (speedupy_intra_exp)	0.0022 (speedupy_intra_exp)	0.0022 (speedupy_intra_exp)	0.0022 (speedupy_intra_exp)
<b>2.cvar</b>	0.2563 (speedupy_intra_exp)	1.2963 (speedupy_intra_exp)	2.5758 (speedupy_intra_exp)	12.7240 (speedupy_intra_exp)	25.3563 (speedupy_intra_exp)
<b>3.vince_sim</b>	1.0939 (speedupy_intra_exp)	1.2468 (speedupy_intra_exp)	1.3189 (speedupy_intra_exp)	1.4734 (speedupy_intra_exp)	1.6111 (speedupy_intra_exp)
<b>4.basic_spheres</b>	126.7280 (no_cache)	311.2178 (no_cache)	511.0346 (no_cache)	697.2269 (no_cache)	830.2388 (speedupy_intra_exec)
<b>5.walking_colloid</b>	31.0509 (no_cache)	74.8541 (no_cache)	119.1729 (no_cache)	162.2178 (no_cache)	207.9776 (no_cache)
<b>6.epr_analyse</b>	30.7395 (speedupy_intra_exp)	42.6240 (speedupy_intra_exp)	54.2503 (speedupy_intra_exp)	65.7608 (speedupy_intra_exp)	77.8623 (speedupy_intra_exp)
<b>7.fft</b>	2.1749 (no_cache)	10.6548 (speedupy_intra_exp)	10.7615 (speedupy_intra_exp)	10.7328 (speedupy_intra_exp)	10.7338 (speedupy_intra_exp)
<b>8.gauss_legendre_quadrature</b>	0.0068 (speedupy_intra_exp)	0.0069 (speedupy_intra_exp)	0.0070 (speedupy_intra_exp)	0.0069 (speedupy_intra_exp)	0.0069 (speedupy_intra_exp)
<b>9.heat_distribution_lu</b>	7.8618 (speedupy_intra_exp)	12.3379 (speedupy_intra_exp)	47.9708 (speedupy_intra_exp)	87.8649 (speedupy_intra_exp)	393.4308 (speedupy_intra_exp)
<b>10.look_and_say</b>	0.0078 (speedupy_intra_exp)	0.0078 (speedupy_intra_exp)	0.0078 (speedupy_intra_exp)	0.0076 (speedupy_intra_exp)	0.0077 (speedupy_intra_exp)
<b>11.TINY_GSHCGP</b>	4.6805 (no_cache)	9.6487 (no_cache)	19.9178 (no_cache)	41.6639 (no_cache)	87.1894 (no_cache)

Experiment	Time no-cache	Time SpeeduPy	Speed up
<b>1.belief_propagation</b>	125.8411	0.0022	<b>57739.35 x</b>
<b>2.cvar</b>	107.4900	25.3563	<b>4.24 x</b>
<b>3.vince_sim</b>	929.2716	1.6111	<b>576.79 x</b>
<b>4.basic_spheres</b>	842.3170	844.3330	<b>1.00 x</b>
<b>5.walking_colloid</b>	207.9776	233.6675	<b>0.89 x</b>
<b>6.epr_analyse</b>	153.9628	77.8623	<b>1.98 x</b>
<b>7.fft</b>	284.2546	10.7338	<b>26.48 x</b>
<b>8.gauss_legendre_quadrature</b>	115.9114	0.0069	<b>16717.89 x</b>
<b>9.heat_distribution_lu</b>	2297.3468	393.4308	<b>5.84 x</b>
<b>10.look_and_say</b>	312.4273	0.0077	<b>40618.67 x</b>
<b>11.TINY_GSHCGP</b>	87.1894	323.5352	<b>0.27 x</b>