| obj. \ constr. | | | $\mathcal{C}:\emptyset$ | | $\mathcal{C}:\mathrm{random}$ | |
| | | | BP | sdpnal | BP | sdpnal |
type	d	n	LBv (sec,apgit:bpit,term)	LBv (sec,apgit:bpit,term)	LBv (sec,apgit:bpit,term)	LBv (sec,apgit:bpit,term)
Arrow bin ($a=5$, $b=2$, $c=2$)	6	70(ℓ=22)	-9.487728e+01 (1.57e+02, 7730:19, 2)	-9.487333e+01 (1.70e+02, 335:NaN, 0)	-1.583319e+01 (7.99e+01, 4433:17, 2)	-1.583321e+01 (2.50e+01, 155:NaN, 0)
	6	76(ℓ=24)	-1.035035e+02 (2.25e+02, 10062:18, 2)	-1.035003e+02 (2.89e+02, 967:NaN, 0)	-1.639041e+01 (9.84e+01, 4872:18, 2)	-1.638971e+01 (4.46e+01, 317:NaN, 0)
	6	82(ℓ=26)	-1.112050e+02 (1.53e+02, 6407:19, 2)	-1.112020e+02 (2.99e+02, 856:NaN, 0)	-1.797953e+01 (1.29e+02, 5948:17, 2)	-1.797902e+01 (2.75e+01, 154:NaN, 0)
	6	124(ℓ=40)	-1.629145e+02 (2.38e+02, 5875:19, 2)	-1.629076e+02 (1.33e+03, 958:NaN, 0)	-2.783070e+01 (1.20e+02, 3495:17, 2)	-2.782935e+01 (5.76e+01, 156:NaN, 0)
	6	184(ℓ=60)	-2.615432e+02 (6.02e+02, 9911:20, 2)	-2.615369e+02 (3.00e+03, 1438:NaN, 0)	-4.236853e+01 (2.61e+02, 4909:18, 2)	-4.236811e+01 (1.78e+02, 157:NaN, 0)
	6	244(ℓ=80)	-3.428024e+02 (1.06e+03, 11714:18, 2)	-3.428008e+02 (1.38e+04, 1748:NaN, 0)	-5.729611e+01 (3.01e+02, 3926:17, 2)	-5.729256e+01 (5.79e+02, 320:NaN, 0)
	6	304(ℓ=100)	-4.379539e+02 (1.21e+03, 10628:18, 2)	-4.379287e+02 (4.87e+04, 5855:NaN, 0)	-7.380733e+01 (4.64e+02, 4727:18, 2)	-7.380715e+01 (1.33e+03, 321:NaN, 0)
	8	64(ℓ=20)	-8.471209e+01 (4.59e+02, 10985:18, 2)	-8.471209e+01 (7.77e+02, 3878:NaN, 0)	-1.446632e+01 (1.57e+02, 4503:17, 2)	-1.446599e+01 (3.96e+01, 154:NaN, 0)
	8	70(ℓ=22)	-9.238185e+01 (4.01e+02, 8686:19, 2)	-9.238109e+01 (6.81e+02, 1558:NaN, 0)	-1.767580e+01 (1.63e+02, 4272:17, 2)	-1.767573e+01 (1.19e+02, 631:NaN, 0)
	8	76(ℓ=24)	-9.720811e+01 (5.03e+02, 10009:19, 2)	-9.720601e+01 (7.95e+02, 2019:NaN, 0)	-1.717366e+01 (1.70e+02, 3996:17, 2)	-1.717314e+01 (4.20e+01, 153:NaN, 0)
	8	124(ℓ=40)	-1.470130e+02 (8.98e+02, 11795:18, 2)	-1.470065e+02 (5.29e+03, 2713:NaN, 0)	-2.823456e+01 (3.15e+02, 4094:17, 2)	-2.823427e+01 (1.34e+02, 154:NaN, 0)
	8	184(ℓ=60)	-2.319667e+02 (1.84e+03, 12984:20, 2)	-2.319691e+02 (1.88e+04, 4896:NaN, 0)	-4.224355e+01 (4.57e+02, 4244:18, 2)	-4.224232e+01 (4.17e+02, 159:NaN, 0)
	8	244(ℓ=80)	-3.132128e+02 (2.34e+03, 8816:20, 2)	-3.132093e+02 (6.54e+04, 4285:NaN, 0)	-5.750014e+01 (1.05e+02, 4437:18, 2)	-5.749802e+01 (2.52e+02, 168:NaN, 0)
Arrow bin ($a=10$, $b=2$, $c=2$)	2	1284(ℓ=160)	-9.115078e+02 (2.31e+02, 10517:16, 2)	-9.114681e+02 (3.65e+03, 5597:NaN, 0)	-3.845385e+02 (2.11e+02, 9583:16, 2)	-3.845080e+02 (7.65e+03, 20000:NaN, -2)
	2	1924(ℓ=240)	-1.365696e+03 (6.71e+02, 20249:16, 2)	-1.365674e+03 (6.67e+03, 7740:NaN, 0)	-5.620671e+02 (3.69e+02, 12016:17, 2)	-5.620345e+02 (1.39e+04, 20000:NaN, -2)
	2	2564(ℓ=320)	-1.848387e+03 (3.86e+03, 9188:17, 2)	(, , :)	-7.870155e+02 (9.57e+02, 23251:18, 2)	(, , :)
	3	484(ℓ=60)	-6.612489e+02 (1.12e+03, 12533:20, 2)	-6.612368e+02 (5.62e+03, 4269:NaN, 0)	-1.843149e+02 (6.03e+02, 6663:18, 2)	-1.843102e+02 (2.29e+03, 953:NaN, 0)
	3	964(ℓ=120)	-1.387246e+03 (2.28e+03, 11989:18, 2)	-1.387269e+03 (3.28e+04, 5230:NaN, 0)	-3.781069e+02 (1.50e+03, 7500:18, 2)	-3.781066e+02 (1.38e+04, 2333:NaN, 0)
	3	1444(ℓ=180)	-1.996709e+03 (3.56e+03, 13913:20, 2)	(, , :)	-5.413793e+02 (1.87e+03, 7410:18, 2)	(, , :)
	5	52(ℓ=6)	-1.628047e+02 (2.48e+03, 14866:21, 2)	-1.730651e+02 (7.62e+03, 20000:NaN, 1)	-1.893068e+02 (1.09e+03, 6869:18, 2)	-1.892955e+01 (2.92e+02, 320:NaN, 0)
	5	100(ℓ=12)	-3.153501e+02 (4.15e+03, 12200:19, 2)	-3.224262e+02 (1.39e+04, 2402:NaN, 0)	-4.600732e+02 (2.47e+03, 7543:18, 2)	-4.600496e+01 (2.23e+03, 789:NaN, 0)
	5	148(ℓ=18)	-4.836598e+02 (6.75e+03, 14284:20, 2)	(, , :)	-6.020487e+01 (2.46e+03, 5495:19, 2)	(, , :)
Arrow box ($a=5$, $b=2$, $c=2$)	6	28(ℓ=8)	-1.543165e+02 (5.85e+02, 23268:19, 2)	-1.615659e+02 (2.48e+03, 20000:NaN, 1)	-2.575588e+01 (6.16e+02, 24285:18, 2)	-2.574200e+01 (3.02e+03, 20000:NaN, -3)
	6	34(ℓ=10)	-1.926331e+02 (4.70e+02, 15913:18, 2)	-1.931423e+02 (5.12e+03, 20000:NaN, 1)	-2.901087e+01 (3.48e+02, 11568:17, 2)	-2.902573e+01 (3.50e+03, 20000:NaN, -3)
	6	40(ℓ=12)	-2.229557e+02 (1.14e+02, 32413:20, 2)	-2.229243e+02 (6.94e+03, 20000:NaN, 1)	-3.887661e+01 (3.39e+02, 9359:18, 2)	3.887465e+01 (1.20e+02, 0:NaN, -3)
	6	52(ℓ=16)	-3.212835e+02 (1.14e+03, 25763:19, 2)	-3.211923e+02 (1.23e+04, 20000:NaN, 1)	-5.297853e+01 (6.64e+02, 12201:18, 2)	-5.296697e+01 (4.04e+03, 19558:NaN, 0)
	6	64(ℓ=20)	-3.930102e+02 (2.31e+03, 34774:18, 2)	-3.954952e+02 (1.64e+04, 20000:NaN, 1)	-4.339762e+01 (6.01e+02, 8910:18, 2)	-4.339900e+01 (4.16e+03, 4042:NaN, 0)
	8	16(ℓ=4)	-2.062974e+02 (4.74e+03, 42025:22, 2)	-2.064534e+02 (1.18e+04, 20000:NaN, 1)	-7.338345e+00 (1.85e+03, 16555:19, 2)	-7.335928e+00 (3.99e+03, 20000:NaN, -2)
	8	22(ℓ=6)	-2.513190e+02 (5.41e+03, 52243:21, 2)	-2.517759e+02 (3.44e+04, 20000:NaN, 1)	-1.919867e+01 (2.57e+03, 14396:17, 2)	-1.919410e+01 (1.85e+04, 20000:NaN, -3)
	8	28(ℓ=8)	-3.020144e+02 (7.92e+03, 35596:18, 2)	(, , :)	(, , :)	-2.725916e+01 (1.95e+03, 8482: 17, 2)
	8	31(ℓ=9)	-3.360238e+02 (1.05e+04, 39235:19, 2)	(, , :)	-2.811850e+01 (4.54e+03, 16230:20, 2)	(, , :)
Arrow box ($a=10$, $b=2$, $c=2$)	2	1284(ℓ=160)	-9.629408e+02 (2.37e+02, 11521:19, 2)	-9.629396e+02 (1.46e+03, 2151:NaN, 0)	-4.440439e+02 (1.82e+02, 8714:18, 2)	-4.440437e+02 (5.60e+03, 6475:NaN, 0)
	2	1924(ℓ=240)	-1.432735e+03 (4.83e+02, 15027:17, 2)	-1.432743e+03 (2.85e+03, 2283:NaN, 0)	-6.704890e+02 (3.08e+02, 9502:18, 2)	-6.704828e+02 (8.74e+03, 5829:NaN, 0)
	2	2564(ℓ=320)	-1.948288e+03 (4.51e+02, 10379:18, 2)	-1.948220e+03 (4.27e+03, 3622:NaN, 0)	-8.826387e+02 (4.66e+02, 11886:18, 2)	-8.826803e+02 (1.62e+04, 20000:NaN, 0)
	3	164(ℓ=20)	-2.815738e+02 (9.97e+02, 28142:19, 2)	-2.814370e+02 (3.57e+03, 20000:NaN, -1)	-9.442008e+01 (4.35e+02, 11791:18, 2)	-9.441908e+01 (5.52e+03, 20000:NaN, -3)
	3	324(ℓ=40)	-5.878139e+02 (2.90e+03, 40618:19, 2)	-5.879896e+02 (1.08e+04, 20000:NaN, -3)	-1.817788e+02 (9.68e+02, 13033:18, 2)	-1.817602e+02 (1.62e+04, 18383:NaN, 0)
	3	484(ℓ=60)	-9.342330e+02 (3.95e+03, 39757:21, 2)	(, , :)	-3.024086e+02 (1.71e+03, 16224:18, 2)	(, , :)
	5	20(ℓ=2)	-1.541292e+02 (4.11e+03, 30618:19, 2)	-1.784141e+02 (8.18e+03, 20000:NaN, 1)	-2.023543e+01 (1.32e+03, 9907:18, 2)	-2.024220e+01 (4.36e+03, 20000:NaN, 1)
	5	36(ℓ=4)	-2.773921e+02 (1.13e+04, 43006:18, 2)	-2.841172e+02 (2.29e+04, 20000:NaN, 1)	-4.620292e+01 (4.71e+03, 17307:19, 2)	-4.622614e+01 (7.70e+03, 20000:NaN, -3)
	5	52(ℓ=6)	-3.736479e+02 (2.08e+04, 55131:20, 2)	(, , :)	-6.892798e+01 (5.02e+03, 12720:20, 2)	(, , :)

obj. \ constr.			C : ∅		C : random	
type	d	n	BP — LBv (sec.apgit:bpit,term)	sdpnal — LBv (sec.apgit:bpit,term)	BP — LBv (sec.apgit:bpit,term)	sdpnal — LBv (sec.apgit:bpit,term)
Chordal bin (r = 0,1)	2	400	-3.47474e+02 (3.60e+02, 12180:17, 2)	-3.474432e+02 (7.94e+03, 2178:NaN, 0)	-8.638335e+01 (7.34e-02, 24016:18, 2)	-8.637568e+01 (2.21e+04, 20000:NaN, -2)
	2	800	-1.205713e+03 (1.26e+03, 13868:18, 2)	-1.205601e+03 (2.80e+04, 2334:NaN, 0)	-1.972467e+02 (1.05e+03, 11445:19, 2)	-1.972365e+02 (3.37e+04, 2116:NaN, 0)
	2	1600	-3.750599e+03 (5.89e+03, 12502:18, 2)	:	-5.124576e+02 (8.89e+03, 20542:20, 2)	:
	3	200	-2.065760e+02 (3.52e+02, 13101:18, 2)	-2.065634e+02 (8.55e+02, 656:NaN, 0)	-7.533718e+01 (1.54e+02, 5459:19, 2)	-7.533653e+01 (1.72e+02, 158:NaN, 0)
	3	300	-4.769478e+02 (1.17e+03, 11293:18, 2)	-4.769380e+02 (6.51e+03, 983:NaN, 0)	-8.210410e+01 (3.81e+02, 3617:18, 2)	-8.210191e+01 (3.93e+02, 154:NaN, 0)
	3	400	-9.067157e+02 (1.95e+04, 27303:19, 2)	:	-1.082068e+02 (4.44e-03, 5756:19, 2)	:
	5	100	-1.097916e+02 (4.67e+01, 6843:17, 2)	-1.097897e+02 (2.09e+02, 663:NaN, 0)	-8.239900e+01 (4.48e+01, 6314:18, 2)	-8.239926e+01 (6.08e+01, 486:NaN, 0)
	5	200	-6.115672e+02 (1.00e+03, 8164:18, 2)	-6.115882e+02 (1.55e+04, 1386:NaN, 0)	-1.091617e+02 (4.84e+02, 4269:18, 2)	-1.091602e+02 (4.07e+02, 156:NaN, 0)
	5	300	-1.637701e+03 (4.56e+04, 28839:19, 2)	:	-1.381003e+02 (5.80e-03, 3855:18, 2)	:
	6	100	-1.229437e+02 (3.17e+01, 4790:16, 2)	-1.229360e+02 (6.72e+01, 171:NaN, 0)	-1.000038e+02 (2.79e-01, 4242:17, 2)	-1.000038e+02 (2.21e+01, 156:NaN, 0)
	6	150	-3.343328e+02 (1.41e+02, 7499:18, 2)	-3.343190e+02 (6.56e+02, 983:NaN, 0)	-1.224431e+02 (7.60e-01, 4225:19, 2)	-1.224399e+02 (1.46e+02, 166:NaN, 0)
	6	170	-5.102424e+02 (3.84e+02, 10032:18, 2)	-5.102364e+02 (2.37e+03, 1316:NaN, 0)	-1.295939e+02 (1.74e-02, 3999:18, 2)	-1.295928e+02 (2.65e+02, 163:NaN, 0)
	6	200	-8.586312e+02 (2.14e+03, 16750:18, 2)	-8.586086e+02 (1.26e+04, 1151:NaN, 0)	-1.151008e+02 (4.89e-02, 3994:18, 2)	-1.150950e+02 (8.88e+02, 159:NaN, 0)
	6	230	-1.206210e+03 (7.15e+03, 16365:19, 2)	-1.344917e+03 (1.01e+05, 2854:NaN, 1)	-1.504815e+02 (1.34e-03, 3419:18, 2)	-1.504770e+02 (1.32e+04, 638:NaN, 0)
	8	100	-2.384588e+02 (2.76e+01, 4051:15, 2)	-2.384465e+02 (1.85e+02, 496:NaN, 0)	-1.824317e+02 (4.23e-01, 6057:17, 2)	-1.824326e+02 (3.59e+01, 165:NaN, 0)
	8	150	-5.620558e+02 (1.92e+02, 8539:18, 2)	-5.620407e+02 (8.13e+02, 1152:NaN, 0)	-1.161660e+02 (9.62e+01, 4438:17, 2)	-1.161638e+02 (8.16e+01, 158:NaN, 0)
	8	170	-9.313252e+02 (1.06e+03, 13272:19, 2)	-9.313161e+02 (9.53e+03, 1839:NaN, 0)	-1.475300e+02 (4.09e+02, 5602:17, 2)	-1.475289e+02 (3.96e+02, 318:NaN, 0)
	8	190	-1.211184e+03 (1.17e+04, 24853:20, 2)	-3.191946e+03 (9.76e+04, 4962:NaN, 1)	-1.386307e+02 (1.62e-03, 4428:18, 2)	-1.386308e+02 (3.41e+02, 169:NaN, 0)
Chordal box (r = 0,1)	2	400	-3.486683e+02 (5.04e+02, 17758:19, 2)	-3.486410e+02 (1.02e+04, 2681:NaN, 0)	-8.684482e+01 (3.34e-02, 11287:19, 2)	-8.687822e+01 (1.30e+04, 10887:NaN, 0)
	2	800	-1.206955e+03 (2.66e+03, 30865:18, 2)	-1.206830e+03 (2.76e+04, 4012:NaN, 0)	-1.975751e+02 (1.19e-03, 13331:18, 2)	-1.975661e+02 (1.56e+04, 2561:NaN, 0)
	2	1200	-2.385826e+03 (7.53e+03, 35674:18, 2)	:	-3.455533e+02 (3.04e+03, 14767:19, 2)	:
	3	100	-5.668570e+01 (8.91e+01, 13436:19, 2)	-5.668556e+01 (1.87e+03, 20000:NaN, -3)	-5.304373e+01 (1.04e-02, 15051:20, 2)	-5.304241e+01 (2.22e+03, 17843:NaN, 0)
	3	200	-2.124543e+02 (1.26e+03, 37656:18, 2)	-2.123967e+02 (1.46e+04, 20000:NaN, -3)	-7.678323e+01 (4.25e-02, 12432:18, 2)	-7.678226e+01 (1.66e+04, 13853:NaN, 0)
	3	400	-9.481387e+02 (2.91e+04, 30987:20, 2)	:	-1.100166e+02 (2.72e-04, 29200:19, 2)	:
	5	80	-6.679212e+01 (1.58e+02, 21489:17, 2)	-6.678636e+01 (2.19e+03, 20000:NaN, -3)	-6.470095e+01 (1.54e-02, 20670:18, 2)	-6.470372e+01 (2.56e+03, 20000:NaN, -3)
	5	160	-3.162245e+02 (1.49e+03, 24909:19, 2)	-3.209856e+02 (2.29e+04, 20000:NaN, 1)	-1.200387e+02 (1.26e-03, 21131:20, 2)	-1.201353e+02 (2.46e+04, 20000:NaN, -3)
	5	240	-1.056989e+03 (5.91e+04, 64866:19, 2)	:	-1.376493e+02 (1.25e-04, 14180:18, 2)	:
	6	50	-5.433668e+01 (3.36e+01, 9673:17, 2)	-5.433165e+01 (5.40e+02, 12140:NaN, 0)	-5.237042e+01 (3.71e-01, 9883:19, 2)	-5.236817e+01 (3.97e+03, 11692:NaN, 0)
	6	100	-1.314831e+02 (2.76e+02, 24792:17, 2)	-1.314177e+02 (4.17e+03, 20000:NaN, -3)	-1.065003e+02 (2.63e-02, 23767:20, 2)	-1.064412e+02 (4.73e+03, 20000:NaN, -3)
	6	120	-2.130796e+02 (1.01e+03, 52465:19, 2)	-2.133697e+02 (1.17e+04, 20000:NaN, 1)	-1.122865e+02 (3.94e-02, 19744:19, 2)	-1.122791e+02 (7.57e+03, 20000:NaN, -3)
	6	140	-2.713962e+02 (2.47e+03, 51351:19, 2)	-2.712460e+02 (1.33e+04, 20000:NaN, 1)	-9.516106e+01 (4.48e-02, 8960:17, 2)	-9.516870e+01 (1.58e+04, 20000:NaN, -2)
	8	50	-3.542262e+01 (1.19e+02, 22885:18, 2)	-3.540774e+01 (7.59e+02, 17063:NaN, 1)	-3.305533e+01 (1.39e-02, 25186:18, 2)	-3.303788e+01 (5.14e+02, 8524:NaN, 0)
	8	100	-2.567746e+02 (9.45e+02, 31985:18, 2)	-2.565093e+02 (8.29e+03, 20000:NaN, 1)	-1.962108e+02 (4.56e-02, 15764:18, 2)	-1.961334e+02 (8.47e+03, 20000:NaN, -3)
	8	120	-3.106839e+02 (1.88e+03, 31566:21, 2)	-5.129922e+02 (1.98e+04, 20000:NaN, 1)	-1.392161e+02 (1.20e-03, 20163:18, 2)	-1.397772e+02 (1.89e+04, 20000:NaN, 1)
	8	140	-5.345937e+02 (1.15e+04, 47065:18, 2)	-1.400906e+03 (9.64e+04, 14190:NaN, 1)	-1.666189e+02 (4.92e-03, 20264:17, 2)	-3.256207e+02 (9.94e+04, 12218:NaN, 1)