

	PROBLEM STATISTICS				AOBB-UFO			UAI 2022 COMPETITION COMPETING SOLVERS							
Problem	X ; F	w*	k	Anytime	Time	Solution	braobb	daoopt-lh	daoopt	lbp	toulbar2			uai14	
											ipr	vacint	vns		
ImageAlignment_11	350 ; 3563	33	77	25.5	108.67	-1005.8	-824.2	-824.2	-824.2	-824.2	-824.2	-824.2	-824.2	-824.2	
ImageAlignment_12	30 ; 465	29	58	5.3	5.28	-436.7	-436.7	-436.7	-436.7	-436.7	-436.7	-436.7	-436.7	-436.7	
ImageAlignment_13	400 ; 3334	21	83	78	128.24	-3081.4	-2998.9	-2999.8	-2999.8	-2998.9	-2999.8	-2999.8	-2999.8	-2998.9	
ImageAlignment_14	200 ; 2128	23	69	9.1	12.89	-1632	-1557.5	-1557.5	-1557.5	-1557.5	-1557.5	-1557.5	-1557.5	-1557.5	
ImageAlignment_15	300 ; 2732	23	68	59.7	415.05	-1339.5	-1177.5	-1177.5	-1177.5	-1177.5	-1177.5	-1177.5	-1177.5		
ObjectDetection_13	60 ; 1830	59	21	6.2	3606.1	-528.6	6684.3	9967.7	9854.2	8826.5	9970.6	9970.6	9970.6	8883.1	
ObjectDetection_14	60 ; 1830	59	11	31.6	3631.1	236.6	6712.5	9020.8	9020.8	8341.9	9093.7	9093.7	9093.7	8562.9	
ObjectDetection_15	60 ; 1830	59	16	2155.8	3637	-404	10628	11703.8	12479	11544	12633	12633	12633	11976	
ObjectDetection_16	60 ; 1830	59	21	1753.5	3606.2	-471	12023	14154.2	13536	13548	14347	14347	14347	14022	
ObjectDetection_17	60 ; 1830	59	11	30.6	3630.5	-335.9	2454.9	4716.4	4816	3794.9	4887.4	4887.4	4887.4	4518.2	
or_chain_11.fg.Q0.5.I3	900 ; 915	191	2	30.8	30.85	-22.9									
or_chain_16.fg.Q0.5.I3	1675 ; 1700	318	2	98.5	98.52	-38.1	-53.8	-25.2	-23.4		-23.4	-23.4	-23.4		
or_chain_22.fg.Q0.5.I3	1044 ; 1054	196	2	28.9	28.92	-15.3									
or_chain_24.fg.Q0.5.I3	1155 ; 1171	247	2	32.3	32.31	-24.4									
or_chain_25.fg.Q0.5.I3	1075 ; 1086	88	2	30.4	30.37	-16.8									
or_chain_32.fg.Q0.5.I3	1466 ; 1478	108	2	32	3632										
or_chain_36.fg.Q0.5.I3	933 ; 943	91	2	30.5	30.46	-15.3									
or_chain_39.fg.Q0.5.I3	1751 ; 1766	430	2	96.3	96.32	-22.9									
or_chain_40.fg.Q0.5.I3	988 ; 998	96	2	16.3	16.26	-15.1									
or_chain_41.fg.Q0.5.I3	1847 ; 1863	203	2	118.5	3645	-27									
or_chain_43.fg.Q0.5.I3	1692 ; 1712	216	2	44.5	44.5	-30.5									
or_chain_6.fg.Q0.5.I3	1849 ; 1876	386	2	2351.2	3710.9	-41.2									
or_chain_60.fg.Q0.5.I3	1997 ; 2023	552	2	3691.2	3736.6	-42.8									
or_chain_63.fg.Q0.5.I3	731 ; 744	97	2	26.3	26.35	-10.8									
or_chain_8.fg.Q0.5.I3	1195 ; 1203	63	2	23.6	23.58	-12.2									
pedigree1.Q0.5.I3	298 ; 334	105	4	3319.4	3641.4	-35.2		-35.9	-37.3		-35.7	-35.7	-36.1	-37.8	
pedigree13.Q0.5.I1	888 ; 1077	138	3	2941.6	3623.5	-63.1		-62.8	-62.4		-62.8	-62.7	-62.5		
pedigree18.Q0.5.I1	931 ; 1184	181	5	38.8	3638.8			-112.5	-111.9		-112.5	-112.9	-113.5	-116.4	
pedigree19.Q0.5.I4	693 ; 793	173	5	3280	3625.2	-97.5	-95.3	-89.5	-87.5		-87.1	-89.5	-89.6		
pedigree20.Q0.5.I2	387 ; 437	76	5	2455.1	3614.7			-46.8	-46.7		-47.9	-46.1	-46.1	-72.8	
pedigree25.Q0.5.I2	993 ; 1289	178	5	3236.3	3702.4	-148.7	-154.6	-148.5	-147.8		-147.6	-147.3	-147.8	-170	
pedigree30.Q0.5.I2	1015 ; 1289	109	5	30.9	3630.9			-123.6	-124.7		-123.6	-123.1	-124.3	-140.8	
pedigree31.Q0.5.I2	1006 ; 1183	153	5	16	3616		-118.4	-116.2	-116		-117	-117.6	-115.6	-161.1	
pedigree33.Q0.5.I2	581 ; 798	118	4	28.7	3628.7		-69.4	-70.3	-70.9		-71	-70.4	-71.1		
pedigree38.Q0.5.I2	581 ; 724	164	5	115.5	3621.9	-94.2	-91.4	-78.2	-77.6		-77.5	-77.6	-77.8	-90.5	
pedigree41.Q0.5.I2	885 ; 1062	205	5	27.5	3620.7	-117		-105.6	-107.3		-106.8	-107.7	-108.2	-160.7	
pedigree44.Q0.5.I4	644 ; 811	186	4	3177.3	3628.3	-89.3	-98.2	-89.1	-88.5		-89.1	-89.4	-89.7		
pedigree50.Q0.5.I1	478 ; 514	124	6	214.5	3677.4	-51.5	-55.7	-52.4	-52.8		-53.1	-53.1	-52	-69.6	
pedigree7.Q0.5.I2	867 ; 1068	89	4	3579.1	3628.3	-103.8		-97.5	-97.6		-98.4	-98	-98.3	-136.4	
pedigree9.Q0.5.I3	935 ; 1118	235	7	913.3	3626.6	-123.9		-113.8	-113.7		-113.4	-112.7	-114	-159	
pomdp10-12_7_3_8_4	2673 ; 2701	2599	32				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
pomdp6-12_6_2_6_3	250 ; 265	198	18	63.9	3663.9	0.9	1	1	1	1	1	1	1	1	
pomdp7-20_10_2_10_3	3166 ; 3193														
pomdp8-14_9_3_12_4	2145 ; 2189	2057	48				1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
pomdp9-14_8_3_10_4	5277 ; 5313														
ProteinFolding_11	400 ; 1160	28	2	22.4	22.44	1926.6	1962.3	1962.3	1962.3	1839.4	1962.3	1959.7	1944.8	1528.7	
ProteinFolding_12	250 ; 2098	20	60	10	13.34	-1586.4	-1547	-1547	-1547	-1548	-1547	-1547	-1547		
ProteinFolding_13	100 ; 1055	21	92	24.5	24.56	-143.3	-143.3	-143.3	-143.3	-143.3	-143.3	-143.3	-143.3	-143.3	
ProteinFolding_14	80 ; 847	20	49	12.6	12.61	-331.7	-331.7	-331.7	-331.7	-331.7	-331.7	-331.7	-331.7	-331.7	
ProteinFolding_15	50 ; 536	22	47	10	9.97	-51.6	-51.6	-51.6	-51.6	-51.6	-51.6	-51.6	-51.6	-51.6	
Segmentation_11	228 ; 852	19	21	6.4	135.02	-152.1	-132.1	-132.3	-132.3	-133.3	-132.3	-132.3	-132.3	-133.4	
Segmentation_12	231 ; 856	20	2	2.9	2.88	-36.7	-21.9	-21.9	-21.9	-30.1	-21.9	-21.9	-21.9	-21.9	
Segmentation_13	225 ; 832	18	2	3.8	3.76	-28.9	-21.4	-21.4	-21.4	-21.4	-21.4	-21.4	-21.4	-21.4	
Segmentation_14	231 ; 863	18	2	3	2.96	-40.2	-39.3	-39.3	-39.3	-40.2	-39.3	-39.3	-39.3	-39.8	
Segmentation_15	229 ; 851	18	21	6.9	336.2	-182.9	-169.6	-163.8	-163.8	-168.5	-163.8	-163.8	-163.8	-168.8	
Segmentation_16	228 ; 838	18	2	2.9	2.94	-42.5	-40.4	-40.4	-40.4	-40.4	-40.4	-40.4	-40.4	-40.8	
Segmentation_17	225 ; 837	20	21	10.2	23.49	-184.1	-176.2	-174.3	-174.3	-175.3	-174.3	-174.3	-174.3	-175.7	
Segmentation_18	235 ; 882	20	2	3	3.04	-44.8	-34	-34	-34	-35.9	-34	-34	-34	-34	
Segmentation_19	228 ; 852	20	2	3.1	3.06	-32.6	-24.1	-24.1	-24.1	-25.4	-24.1	-24.1	-24.1	-24.1	
Segmentation_20	232 ; 867	21	21	8.2	3199.8	-138.1	-112	-112	-112	-112.4	-112	-112	-112	-113.5	
wcsp_14	301 ; 19161	48	8	68.1	75.36	1.5	-29.2	-9.6	1.1	-402.4	1.1	1.1	1.1	-20.9	
wcsp_15	125 ; 736	66	4	16.3	3610.4	-162	-163.6	-80	-74.6	-1503.1	-75.4	-78.6	-83.4	-193.8	
wcsp_16	200 ; 1970	57	44	8.9	3608.9		-5.3	4.8	23.1	-251.5	22.9	22.8	23.2	-8.5	
wcsp_17	340 ; 3417	95	44	12.1	3612.1		-101.8	8.3	33.6	-549.1	34.9	35	34.8		
wcsp_18	239 ; 18016	38	24	80.4	80.47	1.1	-540	-24.1	0.2	-16	0.2	0.2	0.2	-16.9	