

Weighted by Observations - Optimal

#	G	% Obs	No weight (original)							No weight-U (original)							No weight-U-Max (original)							Weighted							Weighted-U						
			Time	AR	FPR	FNR	Acc	S	Time	AR	FPR	FNR	Acc	S	Time	AR	FPR	FNR	Acc	S	Time	AR	FPR	FNR	Acc	S	Time	AR	FPR	FNR	Acc	S					
BLOCKS (156)	20.3	10	1.25	8.0	3.881	0.44	0.24	0.32	86.1	7.53	3.862	0.44	0.25	0.32	86.1	7.56	4.115	0.44	0.24	0.32	86.1	7.56	15.399	0.05	0.2	0.75	22.2	1.97	9.927	0.34	0.59	0.07	97.2	17.67			
		30	3.08	3.97	3.856	0.46	0.14	0.4	77.8	2.5	3.873	0.44	0.24	0.31	86.1	4.67	4.12	0.44	0.24	0.31	86.1	4.67	12.883	0.23	0.2	0.58	58.3	1.67	8.544	0.2	0.77	0.04	97.2	16.36			
		50	4.42	2.5	3.857	0.59	0.21	0.2	88.9	3.03	3.85	0.52	0.3	0.19	88.9	3.86	4.117	0.49	0.32	0.19	88.9	4.64	10.864	0.34	0.23	0.43	63.9	1.58	8.434	0.18	0.78	0.04	100.0	13.33			
		70	6.67	1.94	3.857	0.85	0.05	0.1	97.2	1.83	3.892	0.76	0.14	0.1	97.2	2.42	4.123	0.74	0.16	0.1	97.2	2.64	10.54	0.5	0.15	0.35	77.8	1.19	6.739	0.27	0.67	0.06	100.0	8.42			
		100	8.83	1.83	3.9	0.92	0.0	0.08	100.0	1.67	4.131	0.92	0.0	0.08	100.0	1.67	4.124	0.92	0.0	0.08	100.0	1.67	10.382	0.74	0.0	0.26	100.0	1.0	6.716	0.48	0.44	0.07	100.0	3.42			
IPC-GRID (208)	7.5	10	1.63	2.71	1.673	0.87	0.05	0.08	93.8	2.67	1.675	0.88	0.05	0.07	95.8	2.69	1.673	0.88	0.05	0.07	95.8	2.69	8.101	0.35	0.17	0.48	43.8	1.19	7.047	0.4	0.53	0.07	87.5	5.44			
		30	4.0	1.21	1.675	0.93	0.02	0.05	95.8	1.15	1.673	0.94	0.02	0.04	97.9	1.17	1.676	0.94	0.02	0.04	97.9	1.17	7.235	0.74	0.1	0.16	79.2	1.1	6.62	0.33	0.67	0.0	100.0	5.06			
		50	6.19	1.13	1.676	0.96	0.01	0.03	97.9	1.08	1.679	0.96	0.01	0.03	97.9	1.08	1.679	0.96	0.01	0.03	97.9	1.08	7.138	0.9	0.03	0.07	95.8	1.04	6.402	0.44	0.56	0.0	100.0	3.98			
		70	8.69	1.04	1.682	0.97	0.02	0.01	97.9	1.06	1.681	0.97	0.02	0.01	97.9	1.06	1.679	0.97	0.02	0.01	97.9	1.06	7.143	0.98	0.0	0.02	97.9	1.0	6.432	0.53	0.47	0.0	100.0	2.67			
		100	11.88	1.0	1.69	1.0	0.0	0.0	100.0	1.0	1.689	1.0	0.0	0.0	100.0	1.0	1.686	1.0	0.0	0.0	100.0	1.0	7.1	1.0	0.0	0.0	100.0	1.0	6.487	0.69	0.31	0.0	100.0	1.63			
LOGISTICS (156)	10.0	10	2.0	2.83	1.898	0.9	0.1	0.0	100.0	3.53	1.898	0.9	0.1	0.0	100.0	3.53	1.897	0.9	0.1	0.0	100.0	3.53	9.33	0.41	0.2	0.38	55.6	2.11	7.889	0.28	0.72	0.0	100.0	10.0			
		30	5.75	1.19	1.899	0.92	0.08	0.0	100.0	1.47	1.901	0.92	0.08	0.0	100.0	1.47	1.934	0.92	0.08	0.0	100.0	1.47	9.334	0.81	0.09	0.1	83.3	1.19	7.917	0.12	0.88	0.0	100.0	9.83			
		50	9.42	1.06	1.896	0.96	0.04	0.0	100.0	1.17	1.9	0.96	0.04	0.0	100.0	1.17	1.904	0.96	0.04	0.0	100.0	1.17	8.985	0.91	0.06	0.03	97.2	1.17	7.823	0.13	0.87	0.0	100.0	9.31			
		70	13.25	1.03	1.903	0.99	0.01	0.0	100.0	1.06	1.903	0.99	0.01	0.0	100.0	1.06	1.902	0.99	0.01	0.0	100.0	1.06	8.074	0.97	0.01	0.01	97.2	1.03	7.807	0.21	0.79	0.0	100.0	7.44			
		100	18.17	1.0	1.901	1.0	0.0	0.0	100.0	1.0	1.902	1.0	0.0	0.0	100.0	1.0	1.906	1.0	0.0	0.0	100.0	1.0	7.906	1.0	0.0	0.0	100.0	1.0	7.892	0.31	0.69	0.0	100.0	5.33			
MICRONIC (156)	6.0	10	2.0	2.53	1.195	0.89	0.11	0.0	100.0	2.97	1.193	0.89	0.11	0.0	100.0	2.97	1.195	0.89	0.11	0.0	100.0	2.97	5.975	0.51	0.19	0.3	77.8	2.14	5.958	0.42	0.58	0.0	100.0	6.0			
		30	5.42	1.22	1.195	0.95	0.05	0.0	100.0	1.36	1.198	0.95	0.05	0.0	100.0	1.36	1.197	0.95	0.05	0.0	100.0	1.36	6.017	0.82	0.1	0.08	88.9	1.31	5.984	0.2	0.8	0.0	100.0	6.0			
		50	8.42	1.06	1.197	0.97	0.03	0.0	100.0	1.11	1.198	0.97	0.03	0.0	100.0	1.11	1.196	0.97	0.03	0.0	100.0	1.11	6.018	0.88	0.09	0.03	97.2	1.19	5.981	0.18	0.82	0.0	100.0	6.0			
		70	11.92	1.0	1.197	0.98	0.02	0.0	100.0	1.06	1.196	0.98	0.02	0.0	100.0	1.06	1.195	0.98	0.02	0.0	100.0	1.06	5.993	0.99	0.01	0.0	100.0	1.03	6.022	0.17	0.83	0.0	100.0	5.94			
		100	16.33	1.0	1.198	1.0	0.0	0.0	100.0	1.0	1.198	1.0	0.0	0.0	100.0	1.0	1.196	1.0	0.0	0.0	100.0	1.0	5.959	1.0	0.0	0.0	100.0	1.0	5.961	0.19	0.81	0.0	100.0	5.25			
ROVERS (156)	6.0	10	1.67	2.28	1.273	0.83	0.13	0.04	97.2	2.75	1.274	0.83	0.13	0.04	97.2	2.75	1.276	0.83	0.13	0.04	97.2	2.75	6.45	0.47	0.19	0.33	66.7	1.81	6.457	0.38	0.62	0.0	100.0	6.0			
		30	3.67	1.31	1.278	0.94	0.06	0.0	100.0	1.44	1.276	0.94	0.06	0.0	100.0	1.44	1.276	0.94	0.06	0.0	100.0	1.44	6.483	0.77	0.14	0.09	88.9	1.47	6.497	0.22	0.78	0.0	100.0	5.97			
		50	5.75	1.19	1.275	0.92	0.01	0.07	88.9	1.08	1.276	0.92	0.01	0.07	88.9	1.08	1.276	0.92	0.01	0.07	88.9	1.08	6.42	0.89	0.03	0.08	94.4	1.08	6.478	0.22	0.78	0.0	100.0	5.53			
		70	8.17	1.0	1.277	0.99	0.01	0.0	100.0	1.03	1.276	0.99	0.01	0.0	100.0	1.03	1.276	0.99	0.01	0.0	100.0	1.03	6.502	1.0	0.0	0.0	100.0	1.0	5.939	0.24	0.76	0.0	100.0	4.39			
		100	10.83	1.0	1.275	1.0	0.0	0.0	100.0	1.0	1.277	1.0	0.0	0.0	100.0	1.0	1.274	1.0	0.0	0.0	100.0	1.0	6.564	1.0	0.0	0.0	100.0	1.0	5.955	0.49	0.51	0.0	100.0	2.5			
SATELLITE (95)	6.0	10	1.42	3.53	1.092	0.85	0.11	0.03	94.4	3.81	1.091	0.85	0.11	0.03	94.4	3.81	1.091	0.85	0.11	0.03	94.4	3.81	-	-	-	-	-	-	-	-	-	-	-				
		30	3.42	2.39	1.093	0.86	0.08	0.05	91.7	2.44	1.093	0.86	0.08	0.05	91.7	2.44	1.092	0.86	0.08	0.05	91.7	2.44	-	-	-	-	-	-	-	-	-	-	-				
		50	5.75	1.58	1.092	0.93	0.02	0.05	97.2	1.53	1.093	0.91	0.04	0.05	97.2	1.58	1.091	0.91	0.04	0.05	97.2	1.58	-	-	-	-	-	-	-	-	-	-	-				
		70	8.08	1.31	1.094	0.94	0.02	0.04	100.0	1.28	1.092	0.94	0.02	0.04	100.0	1.28	1.092	0.94	0.02	0.04	100.0	1.28	-	-	-	-	-	-	-	-	-	-	-				
		100	10.75	1.25	1.088	0.96	0.0	0.04	100.0	1.17	1.088	0.96	0.0	0.04	100.0	1.17	1.093	0.96	0.0	0.04	100.0	1.17	-	-	-	-	-	-	-	-	-	-	-				
SONOBAN (156)	8.7	10	2.33	2.11	3.238	0.39	0.31	0.3	52.8	2.08	3.24	0.38	0.38	0.25	61.1	2.94	3.232	0.38	0.38	0.25	61.1	2.94	13.807	0.26	0.31	0.43	36.1	1.53	9.165	0.25	0.74	0.01	100.0	8.14			
		30	6.5	1.25	3.184	0.75	0.13	0.13	80.6	1.25	3.184	0.64	0.3	0.06	91.7	2.06	3.182	0.64	0.3	0.06	91.7	2.06	12.547	0.72	0.11	0.17	80.6	1.08	7.97	0.17	0.83	0.0	100.0	7.94			
		50	10.33	1.22	3.167	0.92	0.03	0.05	100.0	1.19	3.165	0.83	0.12	0.05	100.0	1.39	3.163	0.82	0.13	0.05	100.0	1.42	12.054	0.9	0.0	0.1	97.2	1.0	7.88	0.2	0.79	0.01	100.0	6.75			
		70	14.67	1.03	3.151	0.99	0.0	0.01	100.0	1.0	3.147	0.94	0.04	0.01	100.0	1.08	3.152	0.94	0.04	0.01	100.0	1.08	11.162	0.99	0.0	0.01	100.0	1.0	7.95	0.3	0.69	0.01	100.0	4.67			
		100	20.17	1.0	3.166	1.0	0.0	0.0	100.0	1.0	3.163	1.0	0.0	0.0	100.0	1.0	3.166	1.0	0.0	0.0	100.0	1.0	9.521	1.0	0.0	0.0	100.0	1.0	7.882	0.67	0.33	0.0	100.0	1.83			
Average					2.028	0.88	0.06	0.06	95.38	1.81	2.035	0.87	0.08	0.05	96.29	1.97	2.063	0.87	0.08	0.05	96.29	2.0	7.483	0.63	0.08	0.15	71.43	1.08	6.136	0.26	0.58	0.01	85.2	5.8			

Table 1: Results for weighted observation sequences, with optimal observations. Each observation ω_i receives weight i .

Weighted by Observations - Suboptimal

#	G	% Obs	O	G*	No weight (original)
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