

## US-Online

	Baseline Result		maxDD
	pro	sr	
1998-2003			
OLMAR1	353.10	0.580	0.45
OLMAR2	318.70	0.566	0.43
ubah	42.00	0.094	0.46
best	115.70	0.261	0.57
corn	239.90	0.360	0.54
bcrp	141.50	0.349	0.47
eg	69.15	0.257	0.35
ons	114.50	0.476	0.31
anticor	238.50	0.663	0.36
anticor-antic	375.00	0.790	0.40
pamr	242.80	0.441	0.52
pamr-1	242.20	0.444	0.51
pamr-2	224.30	0.440	0.51
cwmr_var	258.00	0.461	0.51
cwmr_stdev	258.00	0.461	0.51
ucrp	70.60	0.266	0.35
2005-2010			
anticor	-65.40	-0.360	0.90
olmar1	-78.00	-0.497	0.94
Antiar-anti	-64.60	-0.329	0.91
olmar2	-77.70	-0.456	0.94
up	-29.40	-0.260	0.78
eg	-30.50	-0.270	0.78
ons	-76.82	-0.372	0.95
pamr	-82.00	-0.583	0.95
Pamr-1	-82.50	-0.593	0.96
Pamr-2	-82.50	-0.599	0.96
Cvmr-var	-71.09	-0.578	0.95
Cvnr-srddev	-71.10	-0.579	0.95
BH	-27.30	-0.362	0.65
best	50.53	0.137	0.48
bcrp	50.80	0.137	0.47
RBH	-29.30	-0.260	0.78
bk	76.73	0.176	0.53
bnn	44.00	0.176	0.53
corn	31.75	-0.064	0.62
cornu	3.49	-0.123	0.64
cornk	31.37	-0.024	0.72
2010-2015			
anticor	75.60	0.209	0.55
olmar1	185.33	0.368	0.64
Antiar-anti	108.30	0.249	0.67
olmar2	137.94	0.341	0.63
up	137.79	0.549	0.36
eg	135.57	0.541	0.36
ons	358.63	0.479	0.53
pamr	55.36	0.145	0.60
Pamr-1	49.97	0.133	0.61
Pamr-2	49.52	0.134	0.61
Cvmr-var	56.12	0.146	0.60
Cvnr-srddev	56.16	0.146	0.60
ubah	78.23	0.348	0.34
best	151.80	0.624	0.36
bcrp	243.80	0.622	0.45
RBH	137.72	0.549	0.36
bk	127.90	0.355	0.41
bnn	92.21	0.275	0.47
corn	164.26	0.451	0.53
cornu	256.74	0.572	0.49
cornk	186.04	0.429	0.54

US-Online

dirich\_ws68\_gr10\_s456\_sec10\_pa1\_g011\_dr05\_1015

	pro	sr	maxdd	pro	sr	maxdd
1	112.07	0.732	25.22	145.45	0.901	34.15
2	337.52	1.300	19.66	145.45	0.901	34.15
3	206.67	1.018	31.51	145.45	0.901	34.15
4	158.58	0.921	20.04	145.45	0.901	34.15
5	229.43	1.078	22.10	145.45	0.901	34.15
6	86.75	0.681	25.22	145.45	0.901	34.15
7	197.91	1.049	24.23	145.45	0.901	34.15
8	130.04	0.860	22.15	145.45	0.901	34.15
9	193.06	0.964	23.45	145.45	0.901	34.15
10	295.93	1.227	19.76	145.45	0.901	34.15
avg	194.80	0.983	23.33	145.45	0.901	34.15
std	78.86	0.197	3.57	0.00	0.000	0.00

addexp\_ws68\_gr5\_s2\_sec10\_gr5\_pa30\_g011\_10-15\_thr00

	pro	sr	maxdd	pro	sr	maxdd	win
1	173.92	0.762	36.72	137.72	0.775	35.74	24
2	199.56	0.792	35.64	137.72	0.775	35.74	23
3	233.61	0.841	32.06	137.72	0.775	35.74	23
4	117.85	0.616	34.45	137.72	0.775	35.74	11
5	83.95	0.546	35.27	137.72	0.775	35.74	3
6	230.16	0.824	32.49	137.72	0.775	35.74	22
7	365.34	0.975	29.10	137.72	0.775	35.74	23
8	289.32	0.831	31.68	137.72	0.775	35.74	20
9	239.84	0.946	29.43	137.72	0.775	35.74	23
10	147.88	0.732	29.94	137.72	0.775	35.74	17
avg	208.14	0.787	32.68	137.72	0.775	35.74	18.90
std	82.93	0.132	2.73	0.00	0.000	0.00	6.85

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g100\_05-10

	hedge_dfp			RBH		
	pro	sr	maxdd	pro	sr	maxdd
1	-0.41	0.13	58.59	4.97	0.19	56.12
2	-8.43	0.13	65.59	2.55	0.18	59.23
3	1.87	0.18	56.58	2.24	0.16	57.4
4	8.52	0.18	57.61	-2.17	0.16	62.03
5	-18.12	0.04	61.86	-3.35	0.13	62.9
6	1.37	0.14	56.44	-5.21	0.12	65.21
7	-22.49	0.08	71.81	-9.49	0.1	63.26
8	-0.18	0.16	59.15	-4.04	0.13	61.94
9	6.59	0.19	54.86	11.04	0.21	54.79
10	-13.56	0.02	62.2	-5.7	0.11	63.54
avg	-4.48	0.125	60.47	-0.92	0.149	60.64
std	10.59	0.060	5.12	6.07	0.037	3.53

ws68\_gr5\_s3\_sec24\_gr5\_pa30\_g100\_05-10

	hedge_dfp			RBH		
	pro	sr	maxdd	pro	sr	maxdd
1	-0.17	0.14	58.9	2.76	0.17	57.88
2	-15.15	0.1	65.05	-7.3	0.12	62.91
3	11.09	0.23	57.25	6.9	0.2	56.91
4	-24.63	-0.02	68.75	-7.13	0.11	62.29
5	-2.8	0.16	60.55	-1.47	0.15	60.09
6	-16.77	0.07	65.74	-3.67	0.13	61.32
7	-7.19	0.13	64.04	-0.15	0.14	60.66
8	-0.49	0.15	53.41	0.63	0.16	58.63
9	-2.49	0.18	67.13	3.76	0.18	58.14
10	-7.97	0.14	61.26	-1.74	0.15	62.82
avg	-6.66	0.128	62.21	-0.74	0.151	60.17
std	10.15	0.067	4.80	4.56	0.028	2.18

ws68\_gr5\_s1\_sec24\_gr5\_pa30\_g100\_05-10

	hedge_dfp	RBH
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### US-Online

	pro	sr	maxdd	pro	sr	maxdd
1	50.27	0.3	59.53	3.91	0.17	58.48
2	-8.03	0.11	58.57	-5.71	0.12	61.73
3	-12.5	0.11	67.96	-8.18	0.12	65.4
4	5.58	0.18	56.12	5.08	0.18	54.8
5	7.45	0.21	59.33	-0.95	0.15	60.97
6	-9.15	0.08	58.14	-4.28	0.13	60.24
7	9.39	0.22	53.86	5.65	0.2	56.28
8	-9	0.11	61.96	-5.91	0.12	64.67
9	-2.7	0.16	62.6	-1.25	0.16	61.65
10	5.28	0.18	59.5	2.77	0.17	60.18
avg	3.66	0.166	59.76	-0.89	0.152	60.44
std	18.22	0.067	3.84	5.03	0.029	3.32

#### ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g100\_05-10\_spe

	hedge_dfp			RBH		maxdd
	pro	sr	maxdd	pro	sr	maxdd
1	6.92	0.193	54.22	0.01	0.148	61.03
2	-11.12	0.127	68.35	0.01	0.148	61.03
3	9.32	0.194	59.36	0.01	0.148	61.03
4	-7.08	0.162	65.31	0.01	0.148	61.03
5	-11.73	0.092	62.58	0.01	0.148	61.03
6	-4.95	0.151	62.01	0.01	0.148	61.03
7	3	0.147	53.17	0.01	0.148	61.03
8	-12.62	0.089	65.04	0.01	0.148	61.03
9	-13.71	0.112	66.53	0.01	0.148	61.03
10	-14.78	0.08	67.45	0.01	0.148	61.03
avg	-5.68	0.135	62.40	0.01	0.148	61.03
std	8.96	0.042	5.32	0.00	0.000	0.00

#### ws36\_gr5\_s2\_sec24\_gr5\_pa30\_g100\_05-10

	hedge_dfp			RBH		maxdd
	pro	sr	maxdd	pro	sr	maxdd
1	3.69	0.188	54.74	-0.62	0.166	60.4
2	3.87	0.167	51.97	3.35	0.184	57.12
3	11.37	0.231	55.73	3.44	0.18	59.11
4	-12	0.082	62.75	-11.16	0.093	66.5
5	-6.5	0.134	61.01	0.77	0.15	60.49
6	-9.81	0.142	64.49	-3.09	0.139	62.43
7	-17.27	0.034	64.65	-7.32	0.126	64.97
8	53.52	0.175	53.52	8.76	0.204	56.11
9	-10.63	0.109	61.73	-6.44	0.107	60.96
10	-5.04	0.122	56.95	-0.14	0.14	58.41
avg	1.12	0.138	58.75	-1.25	0.149	60.65
std	20.35	0.056	4.71	5.91	0.035	3.28

#### ws132\_gr5\_s2\_sec24\_gr5\_pa30\_g100\_05-10

	hedge_dfp			RBH		maxdd
	pro	sr	maxdd	pro	sr	maxdd
1	6.19	0.166	50.17	4.61	0.181	57.42
2	8.53	0.182	55.19	5.19	0.179	60.55
3	-5.59	0.125	62.96	-2.52	0.148	62.93
4	-7.04	0.075	60.91	-5.07	0.145	62.29
5	-3.34	0.1	51.17	0.74	0.162	57.81
6	14.82	0.234	55.14	13.25	0.234	52.64
7	-2.22	0.106	55.8	6.44	0.193	55.63
8	-10.55	0.05	56.76	0.01	0.152	61.02
9	1.89	0.093	51.5	-1.23	0.146	60.23
10	-11.48	0.082	63.7	-2.94	0.143	62.27
avg	-0.88	0.121	56.33	1.85	0.168	59.28
std	8.61	0.056	4.83	5.52	0.029	3.33

#### ws68\_gr5\_s5\_sec24\_gr10\_pa30\_g100\_05-10

### US-Online

	pro	hedge_dfp		pro	RBH	
		sr	maxdd		sr	maxdd
1	-2.58	0.135	58.26	-2.23	0.131	63.34
2	0.26	0.165	64.47	1.17	0.146	60.42
3	-3.47	0.103	55.53	-1.12	0.139	61.87
4	-4.36	0.101	54.19	1.9	0.155	59.79
5	-1.8	0.123	56.45	-1.42	0.129	61.32
6	6.71	0.192	56.11	5.13	0.177	58.81
7	6.26	0.191	56.18	2.23	0.158	59.74
8	2.44	0.163	61.21	4.04	0.189	65.18
9	8.97	0.198	56.93	4.21	0.169	57.73
10	1.2	0.164	60.25	-2.66	0.127	63.41
avg	1.36	0.154	57.96	1.13	0.152	61.16
std	4.65	0.036	3.13	2.85	0.021	2.32

ws68\_gr5\_s2\_sec24\_gr10\_pa30\_g100\_05-10

	pro	hedge_dfp		pro	RBH	
		sr	maxdd		sr	maxdd
1	-34.21	0.018	76.61	0.89	0.146	60.7
2	-5.18	0.083	60.13	-0.27	0.143	60.83
3	-39	-0.083	72.76	2.46	0.161	62.06
4	-25.86	-0.02	66.57	2.26	0.16	60.54
5	6.09	0.158	49.49	3.49	0.166	58.35
6	1.75	0.149	57.1	3.43	0.165	59.4
7	-11.66	0.053	58.2	-5.38	0.104	62.63
8	42.74	0.348	59.07	-2.18	0.133	62.16
9	12	0.229	64.8	2.66	0.162	60.48
10	-24.4	-0.04	67.83	-0.54	0.139	62.05
avg	-7.77	0.090	63.26	0.68	0.148	60.92
std	24.78	0.133	8.05	2.84	0.019	1.35

ws68\_gr5\_s2\_sec10\_gr5\_pa30\_g100\_05-10\_spe

	pro	hedge_dfp		pro	RBH	
		sr	maxdd		sr	maxdd
1	-43.57	0.01	82.28	-35.39	0.002	79.73
2	-37.68	-0.009	81.59	-35.39	0.002	79.73
3	-54.49	-0.188	81.79	-35.39	0.002	79.73
4	-43.19	-0.066	80.46	-35.39	0.002	79.73
5	-37.31	-0.039	76.2	-35.39	0.002	79.73
6	-45.61	0.061	84.75	-35.39	0.002	79.73
7	-47.15	-0.068	81.04	-35.39	0.002	79.73
8	-52.58	-0.119	83.35	-35.39	0.002	79.73
9	-43.1	-0.016	83.58	-35.39	0.002	79.73
10	-40.1	-0.015	77.64	-35.39	0.002	79.73
avg	-44.48	-0.045	81.27	-35.39	0.002	79.73
std	5.73	0.070	2.64	0.00	0.000	0.00

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g010\_05-10

	pro	hedge_dfp		pro	RBH	
		sr	maxdd		sr	maxdd
1	-1.33	0.132	56.03	1.44	0.169	60.39
2	-11.01	0.088	59.77	-7.87	0.11	61.5
3	-17.19	0.128	69.12	-3.9	0.132	60.09
4	-9.71	0.125	65.22	-3.56	0.131	61.16
5	24.59	0.258	49.7	4.78	0.181	56.9
6	16.35	0.237	53.74	1.3	0.167	59.41
7	-11.47	0.107	63.06	1	0.169	59.54
8	0.11	0.12	56.41	0.45	0.162	61.32
9	-3.44	0.183	62.43	5.37	0.19	57.46
10	-0.12	0.128	57.17	2.75	0.173	60.47
avg	-1.32	0.151	59.27	0.18	0.158	59.82
std	12.96	0.057	5.80	4.13	0.025	1.56

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g01-1\_05-10

	pro	hedge_dfp	maxdd	pro	RBH	maxdd
		sr			sr	

US-Online

1	9.53	0.182	53.56	1.36	0.15	60.44
2	-2.2	0.097	53.98	-4.84	0.13	62.3
3	16.45	0.197	51.42	4.56	0.179	58.42
4	15.99	0.194	53.07	-3.59	0.132	61.99
5	27.21	0.277	49.65	-0.8	0.15	62.48
6	18.75	0.214	56.88	-11.16	0.083	66.06
7	5.03	0.151	54.16	5.48	0.181	56.81
8	13.22	0.202	49.3	1.87	0.169	56.84
9	0.44	0.119	47.38	-3.01	0.136	59.87
10	14.98	0.203	46.79	4.31	0.175	59.25
avg	11.94	0.184	51.62	-0.58	0.149	60.45
std	8.90	0.051	3.27	5.18	0.030	2.86

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g01-3\_05-10\_spe

	hedge_dfp			pro	RBH	
	pro	sr	maxdd		sr	maxdd
1	0.11	0.088	54.94	0.01	0.148	61.03
2	7.97	0.172	50.49	0.01	0.148	61.03
3	11.55	0.187	50.24	0.01	0.148	61.03
4	8.72	0.161	51.63	0.01	0.148	61.03
5	-4.25	0.112	62.36	0.01	0.148	61.03
6	-5.24	0.103	61.65	0.01	0.148	61.03
7	-3.9	0.082	54.23	0.01	0.148	61.03
8	-12.61	0.011	53.7	0.01	0.148	61.03
9	12.91	0.192	50.86	0.01	0.148	61.03
10	7.18	0.138	50.12	0.01	0.148	61.03
avg	2.24	0.125	54.02	0.01	0.148	61.03
std	8.57	0.057	4.55	0.00	0.000	0.00

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g01-1\_05-10\_spe

	hedge_dfp			pro	RBH	
	pro	sr	maxdd		sr	maxdd
1	3.67	0.143	49.67	0.01	0.148	61.03
2	15.53	0.198	48.88	0.01	0.148	61.03
3	-6.78	0.073	59.28	0.01	0.148	61.03
4	-2.3	0.125	61.2	0.01	0.148	61.03
5	-8.89	0.012	56.51	0.01	0.148	61.03
6	-2.59	0.099	58.21	0.01	0.148	61.03
7	-0.98	0.11	50.32	0.01	0.148	61.03
8	17.27	0.208	51.76	0.01	0.148	61.03
9	7.44	0.169	55.31	0.01	0.148	61.03
10	17.14	0.228	47.9	0.01	0.148	61.03
avg	3.95	0.137	53.90	0.01	0.148	61.03
std	9.91	0.067	4.79	0.00	0.000	0.00

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g01-1\_98-03\_spe

	hedge_dfp			pro	RBH	
	pro	sr	maxdd		sr	maxdd
1	54.31	0.429	36.06	66.92	0.5	34.88
2	66.33	0.4	46.38	66.92	0.5	34.88
3	66.39	0.424	48.88	66.92	0.5	34.88
4	75.01	0.478	41.2	66.92	0.5	34.88
5	67.91	0.477	37.99	66.92	0.5	34.88
6	77.5	0.519	38.58	66.92	0.5	34.88
7	66.88	0.461	39.79	66.92	0.5	34.88
8	83.76	0.449	45.94	66.92	0.5	34.88
9	100.57	0.506	44.96	66.92	0.5	34.88
10	45.99	0.382	43.29	66.92	0.5	34.88
avg	70.47	0.453	42.31	66.92	0.500	34.88
std	15.15	0.044	4.22	0.00	0.000	0.00

ws68\_gr5\_s2\_sec24\_gr5\_pa30\_g100\_98-03

hedge\_dfp RBH

US-Online

	pro	sr	maxdd	pro	sr	maxdd
1	54.65	0.385	43.21	66.92	0.5	34.88
2	51.76	0.379	45.81	66.92	0.5	34.88
3	52.07	0.392	44.01	66.92	0.5	34.88
4	31.56	0.261	55.06	66.92	0.5	34.88
5	54.41	0.382	45.58	66.92	0.5	34.88
6	78.53	0.471	43.5	66.92	0.5	34.88
7	36.31	0.316	48.34	66.92	0.5	34.88
8	43.64	0.36	42.24	66.92	0.5	34.88
9	65.92	0.414	42.78	66.92	0.5	34.88
10	59.97	0.41	45.73	66.92	0.5	34.88
avg	52.88	0.377	45.63	66.92	0.500	34.88
std	13.74	0.057	3.79	0.00	0.000	0.00

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_0510

	pro	sr	maxdd	pro	sr	maxdd	win
1	3.85	0.189	64.9	-29.32	0.035	78.22	25
2	-28.18	-0.064	67.73	-29.32	0.035	78.22	17
3	-17.47	0.084	74.05	-29.32	0.035	78.22	20
4	-34.98	-0.007	79.05	-29.32	0.035	78.22	9
5	-35.8	-0.089	71.02	-29.32	0.035	78.22	12
6	-34.97	-0.054	77.12	-29.32	0.035	78.22	8
7	-18.21	0.005	65.88	-29.32	0.035	78.22	20
8	-60.41	-0.358	77.78	-29.32	0.035	78.22	0
9	-45.99	-0.237	75.34	-29.32	0.035	78.22	7
10	-33.32	-0.101	71.33	-29.32	0.035	78.22	7
avg	-30.55	-0.063	72.42	-29.32	0.035	78.22	12.50
std	17.37	0.154	5.06	0.00	0.000	0.00	7.74

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	90.89	0.574	36.98	137.72	0.775	35.74	7
2	157.21	0.85	31.24	137.72	0.775	35.74	20
3	101.95	0.664	33.86	137.72	0.775	35.74	12
4	73.85	0.557	36.41	137.72	0.775	35.74	12
5	136.01	0.777	60.36	137.72	0.775	35.74	17
6	151.71	0.815	34.65	137.72	0.775	35.74	16
7	78.75	0.533	38.48	137.72	0.775	35.74	8
8	81.53	0.588	36.37	137.72	0.775	35.74	9
9	141.25	0.75	32.47	137.72	0.775	35.74	17
10	185.53	0.758	37.66	137.72	0.775	35.74	19
avg	119.87	0.687	37.85	137.72	0.775	35.74	13.70
std	39.27	0.117	8.24	0.00	0.000	0.00	4.72

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_ed8\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	58.04	0.444	39.19	137.72	0.775	35.74	1
2	147.24	0.751	31.36	137.72	0.775	35.74	18
3	152.44	0.75	36.92	137.72	0.775	35.74	18
4	116.72	0.589	39.26	137.72	0.775	35.74	8
5	81.42	0.559	29.86	137.72	0.775	35.74	4
6	90.29	0.646	31.25	137.72	0.775	35.74	7
7	67.36	0.529	32.52	137.72	0.775	35.74	3
8	67.32	0.53	40.47	137.72	0.775	35.74	12
9	74.54	0.539	37.06	137.72	0.775	35.74	8
10	159.49	0.762	33.79	137.72	0.775	35.74	15
avg	101.49	0.610	35.17	137.72	0.775	35.74	9.40
std	39.10	0.112	3.87	0.00	0.000	0.00	6.11

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_ed32\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	136.78	0.728	36.18	137.72	0.775	35.74	15
2	177.52	0.804	34.50	137.72	0.775	35.74	21
3	170.74	0.833	33.79	137.72	0.775	35.74	22
4	128.80	0.789	29.53	137.72	0.775	35.74	17
5	122.32	0.730	31.09	137.72	0.775	35.74	13

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6	120.39	0.713	36.87	137.72	0.775	35.74	17
7	162.84	0.785	34.79	137.72	0.775	35.74	17
8	158.69	0.763	31.78	137.72	0.775	35.74	16
9	146.95	0.733	36.61	137.72	0.775	35.74	16
10	113.75	0.719	33.07	137.72	0.775	35.74	15
avg	143.88	0.760	33.82	137.72	0.775	35.74	16.90
std	22.71	0.041	2.46	0.00	0.000	0.00	2.73

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_thr005\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	60.27	0.490	37.34	137.72	0.775	35.74	5
2	161.44	0.838	36.06	137.72	0.775	35.74	19
3	135.52	0.783	31.87	137.72	0.775	35.74	18
4	171.3	0.768	35.36	137.72	0.775	35.74	22
5	164.66	0.851	30.06	137.72	0.775	35.74	19
6	186.95	0.882	29.17	137.72	0.775	35.74	24
7	122.52	0.700	32.68	137.72	0.775	35.74	11
8	128.39	0.794	33.12	137.72	0.775	35.74	12
9	137.98	0.735	36.07	137.72	0.775	35.74	17
10	114.65	0.726	29.55	137.72	0.775	35.74	10
avg	138.368	0.757	33.128	137.72	0.775	35.74	15.70
std	36.04	0.110	2.97	0.00	0.000	0.00	5.96

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_up5\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	72.02	0.5	45.79	137.72	0.775	35.74	2
2	187.59	0.761	34.05	137.72	0.775	35.74	19
3	68.72	0.523	46.28	137.72	0.775	35.74	8
4	101.83	0.63	40.95	137.72	0.775	35.74	9
5	65.37	0.489	43.13	137.72	0.775	35.74	1
6	77.86	0.541	41.61	137.72	0.775	35.74	5
7	164.3	0.789	36.43	137.72	0.775	35.74	22
8	141.36	0.786	35.95	137.72	0.775	35.74	17
9	253.42	0.879	35.36	137.72	0.775	35.74	24
10	170.82	0.755	43.94	137.72	0.775	35.74	18
avg	130.329	0.665	40.349	137.72	0.775	35.74	12.50
std	63.53	0.145	4.55	0.00	0.000	0.00	8.48

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_up20\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	62.20	0.501	40.27	137.72	0.775	35.74	9
2	77.11	0.595	34.79	137.72	0.775	35.74	7
3	54.78	0.468	39.90	137.72	0.775	35.74	6
4	131.17	0.737	36.94	137.72	0.775	35.74	13
5	63.96	0.503	40.77	137.72	0.775	35.74	7
6	59.69	0.523	36.67	137.72	0.775	35.74	4
7	58.86	0.486	41.52	137.72	0.775	35.74	4
8	71.02	0.541	36.80	137.72	0.775	35.74	3
9	74.14	0.560	39.61	137.72	0.775	35.74	9
10	94.30	0.631	40.07	137.72	0.775	35.74	11
avg	74.72	0.555	38.73	137.72	0.775	35.74	7.30
std	22.94	0.081	2.23	0.00	0.000	0.00	3.23

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_wo10000\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	63.17	0.485	44.11	137.72	0.775	35.74	5
2	120.82	0.721	35.24	137.72	0.775	35.74	13
3	86.56	0.603	36.05	137.72	0.775	35.74	7
4	103.61	0.607	42.40	137.72	0.775	35.74	6
5	180.37	0.833	38.28	137.72	0.775	35.74	24
6	86.94	0.616	36.13	137.72	0.775	35.74	10
7	112.65	0.719	33.44	137.72	0.775	35.74	11
8	104.96	0.639	39.26	137.72	0.775	35.74	11
9	72.13	0.529	39.32	137.72	0.775	35.74	8
10	95.02	0.648	37.99	137.72	0.775	35.74	12
avg	102.62	0.640	38.22	137.72	0.775	35.74	10.70

US-Online

std 32.54 0.100 3.25 0.00 0.000 0.00 5.38

ws68\_gr5\_s2\_sec10\_pa30\_g01-1\_wo1-075-000\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	73.86	0.570	33.34	137.72	0.775	35.74	8
2	130.13	0.706	36.82	137.72	0.775	35.74	9
3	93.85	0.618	37.92	137.72	0.775	35.74	8
4	117.01	0.683	33.14	137.72	0.775	35.74	12
5	69.64	0.550	33.82	137.72	0.775	35.74	9
6	96.50	0.659	35.23	137.72	0.775	35.74	7
7	113.35	0.724	32.41	137.72	0.775	35.74	12
8	248.94	1.058	32.75	137.72	0.775	35.74	27
9	239.39	0.927	34.00	137.72	0.775	35.74	26
10	82.59	0.586	35.49	137.72	0.775	35.74	7
avg	126.53	0.708	34.49	137.72	0.775	35.74	12.50
std	64.90	0.164	1.82	0.00	0.000	0.00	7.59

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015\_up20

	pro	sr	maxdd	pro	sr	maxdd	win
1	133.05	0.687	36.16	137.72	0.775	35.74	15
2	168.11	0.796	33.24	137.72	0.775	35.74	20
3	171.58	0.755	35.99	137.72	0.775	35.74	19
4	209.75	0.901	30.96	137.72	0.775	35.74	25
5	148.58	0.716	37.74	137.72	0.775	35.74	18
6	174.72	0.802	30.63	137.72	0.775	35.74	22
7	119.60	0.667	38.09	137.72	0.775	35.74	13
8	76.06	0.646	25.45	137.72	0.775	35.74	9
9	147.17	0.721	35.40	137.72	0.775	35.74	16
10	123.27	0.804	27.73	137.72	0.775	35.74	13
avg	147.19	0.750	33.14	137.72	0.775	35.74	17.00
std	36.97	0.078	4.31	0.00	0.000	0.00	4.76

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g100\_1015\_mem10240

	pro	sr	maxdd	pro	sr	maxdd	win
1	133.10	0.662	35.42	137.72	0.775	35.74	12
2	146.57	0.691	34.85	137.72	0.775	35.74	16
3	213.95	0.757	33.00	137.72	0.775	35.74	16
4	119.54	0.645	37.91	137.72	0.775	35.74	11
5	79.17	0.542	41.73	137.72	0.775	35.74	3
6	154.04	0.722	38.17	137.72	0.775	35.74	16
7	182.51	0.766	31.90	137.72	0.775	35.74	23
8	116.31	0.633	37.65	137.72	0.775	35.74	9
9	72.85	0.529	36.04	137.72	0.775	35.74	4
10	148.26	0.704	34.65	137.72	0.775	35.74	12
avg	136.63	0.665	36.13	137.72	0.775	35.74	12.20
std	43.09	0.081	2.85	0.00	0.000	0.00	6.00

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g100\_1015\_thr01

	pro	sr	maxdd	pro	sr	maxdd	win
1	109.95	0.682	31.99	137.72	0.775	35.74	12
2	198.54	0.752	34.23	137.72	0.775	35.74	20
3	56.17	0.481	40.39	137.72	0.775	35.74	6
4	157.39	0.719	30.05	137.72	0.775	35.74	16
5	107.31	0.628	33.94	137.72	0.775	35.74	9
6	64.82	0.462	46.39	137.72	0.775	35.74	4
7	65.82	0.508	38.02	137.72	0.775	35.74	7
8	179.71	0.756	35.29	137.72	0.775	35.74	17
9	103.10	0.634	31.37	137.72	0.775	35.74	11
10	127.65	0.710	30.69	137.72	0.775	35.74	12
avg	117.05	0.633	35.24	137.72	0.775	35.74	11.40
std	49.11	0.112	5.10	0.00	0.000	0.00	5.13

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_0510

	pro	sr	maxdd	pro	sr	maxdd	win
1	-16.09	0.080	70.75	-29.32	0.035	78.22	17
2	-23.45	0.031	73.80	-29.32	0.035	78.22	18



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3	-20.66	0.042	72.42	-29.32	0.035	78.22	16
4	-20.11	0.069	71.91	-29.32	0.035	78.22	22
5	-27.84	-0.015	74.36	-29.32	0.035	78.22	16
6	-36.77	-0.066	75.66	-29.32	0.035	78.22	12
7	-21.92	0.044	72.96	-29.32	0.035	78.22	17
8	-21.18	0.049	72.66	-29.32	0.035	78.22	19
9	-23.93	0.023	70.97	-29.32	0.035	78.22	17
10	-24.18	0.015	74.72	-29.32	0.035	78.22	14
avg	-23.61	0.027	73.02	-29.32	0.035	78.22	16.80
std	5.56	0.042	1.61	0.00	0.000	0.00	2.70

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015

	pro	sr	maxdd	pro	sr	maxdd	win
1	60.53	0.493	37.68	137.72	0.775	35.74	7
2	152.77	0.715	34.51	137.72	0.775	35.74	19
3	142.93	0.733	35.15	137.72	0.775	35.74	16
4	122.19	0.690	27.65	137.72	0.775	35.74	11
5	142.04	0.704	33.99	137.72	0.775	35.74	19
6	132.39	0.680	36.58	137.72	0.775	35.74	11
7	175.00	0.790	32.57	137.72	0.775	35.74	18
8	150.68	0.736	33.17	137.72	0.775	35.74	19
9	84.28	0.580	34.10	137.72	0.775	35.74	7
10	187.70	0.786	38.18	137.72	0.775	35.74	20
avg	135.05	0.691	34.36	137.72	0.775	35.74	14.70
std	38.50	0.091	3.00	0.00	0.000	0.00	5.19

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015\_thr005

	pro	sr	maxdd	pro	sr	maxdd	win
1	148.47	0.678	34.25	137.72	0.775	35.74	16
2	109.56	0.626	33.58	137.72	0.775	35.74	6
3	118.99	0.652	34.56	137.72	0.775	35.74	9
4	149.16	0.837	34.83	137.72	0.775	35.74	18
5	111.51	0.674	35.82	137.72	0.775	35.74	11
6	75.14	0.542	35.08	137.72	0.775	35.74	5
7	112.46	0.653	32.97	137.72	0.775	35.74	9
8	67.64	0.491	37.92	137.72	0.775	35.74	5
9	84.75	0.563	35.02	137.72	0.775	35.74	7
10	95.12	0.590	42.62	137.72	0.775	35.74	8
avg	107.28	0.631	35.67	137.72	0.775	35.74	9.40
std	27.68	0.095	2.78	0.00	0.000	0.00	4.45

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015\_ed8

	pro	sr	maxdd	pro	sr	maxdd	win
1	127.39	0.724	39.50	137.72	0.775	35.74	18
2	113.53	0.627	35.54	137.72	0.775	35.74	7
3	195.70	0.751	38.10	137.72	0.775	35.74	19
4	64.68	0.503	35.81	137.72	0.775	35.74	8
5	132.54	0.712	36.85	137.72	0.775	35.74	12
6	118.49	0.647	35.48	137.72	0.775	35.74	9
7	95.01	0.588	42.31	137.72	0.775	35.74	9
8	166.47	0.785	36.53	137.72	0.775	35.74	233
9	149.99	0.780	33.26	137.72	0.775	35.74	15
10	128.79	0.713	36.48	137.72	0.775	35.74	12
avg	129.26	0.683	37.15	137.72	0.775	35.74	34.20
std	36.44	0.091	2.59	0.00	0.000	0.00	69.97

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015\_ed32

	pro	sr	maxdd	pro	sr	maxdd	win
1	85.27	0.534	42.30	137.72	0.775	35.74	6
2	111.21	0.597	41.37	137.72	0.775	35.74	8
3	94.73	0.597	43.32	137.72	0.775	35.74	12
4	103.75	0.614	39.03	137.72	0.775	35.74	10
5	85.05	0.537	40.93	137.72	0.775	35.74	5
6	86.71	0.540	41.31	137.72	0.775	35.74	5
7	96.85	0.567	43.42	137.72	0.775	35.74	5
8	94.88	0.587	40.51	137.72	0.775	35.74	7
9	101.24	0.585	41.59	137.72	0.775	35.74	7
10	137.95	0.661	38.70	137.72	0.775	35.74	12
avg	99.76	0.582	41.25	137.72	0.775	35.74	7.70
std	15.85	0.040	1.57	0.00	0.000	0.00	2.75

US-Online

addexp_ws68_gr5_s2_sec10_pa30_g011_1015_up5							
	pro	sr	maxdd	pro	sr	maxdd	win
1	84.12	0.540	34.30	137.72	0.775	35.74	6
2	88.39	0.549	35.77	137.72	0.775	35.74	5
3	74.30	0.527	39.66	137.72	0.775	35.74	6
4	96.77	0.597	33.66	137.72	0.775	35.74	9
5	80.71	0.548	34.72	137.72	0.775	35.74	8
6	73.99	0.533	35.03	137.72	0.775	35.74	5
7	64.79	0.487	38.27	137.72	0.775	35.74	1
8	78.44	0.552	78.44	137.72	0.775	35.74	9
9	81.76	0.539	81.76	137.72	0.775	35.74	5
10	50.01	0.440	38.37	137.72	0.775	35.74	3
avg	77.33	0.531	45.00	137.72	0.775	35.74	5.70
std	12.92	0.042	18.62	0.00	0.000	0.00	2.54

addexp_ws68_gr5_s2_sec10_pa30_g100_1015_thr03							
	pro	sr	maxdd	pro	sr	maxdd	win
1	95.61	0.583	36.81	137.72	0.775	35.74	11
2	79.22	0.561	35.39	137.72	0.775	35.74	8
3	131.67	0.682	36.00	137.72	0.775	35.74	12
4	97.29	0.594	35.15	137.72	0.775	35.74	10
5	64.52	0.490	38.64	137.72	0.775	35.74	7
6	82.56	0.567	42.57	137.72	0.775	35.74	9
7	90.80	0.607	35.78	137.72	0.775	35.74	4
8	70.47	0.496	43.04	137.72	0.775	35.74	5
9	77.41	0.543	43.85	137.72	0.775	35.74	9
10	114.01	0.652	38.36	137.72	0.775	35.74	9
avg	90.36	0.578	38.56	137.72	0.775	35.74	8.40
std	20.43	0.061	3.39	0.00	0.000	0.00	2.50

addexp_ws68_gr5_s2_sec10_pa30_g011_0510_thr00							
	pro	sr	maxdd	pro	sr	maxdd	win
1	-23.97	0.025	71.79	-29.32	0.035	78.22	17
2	-25.47	0.021	74.55	-29.32	0.035	78.22	16
3	-34.60	-0.045	73.64	-29.32	0.035	78.22	13
4	-24.07	0.021	72.17	-29.32	0.035	78.22	16
5	-21.51	0.033	72.53	-29.32	0.035	78.22	17
6	-21.65	0.051	73.36	-29.32	0.035	78.22	18
7	-29.37	-0.007	73.00	-29.32	0.035	78.22	15
8	-21.27	0.043	71.15	-29.32	0.035	78.22	17
9	-28.41	0.009	73.08	-29.32	0.035	78.22	16
10	-35.60	-0.050	74.13	-29.32	0.035	78.22	13
avg	-26.59	0.010	72.94	-29.32	0.035	78.22	15.80
std	5.26	0.034	1.05	0.00	0.000	0.00	1.69

usonline_ws68_gr5_s2_sec10_pa30_g01-1_1015_ed32_thr005							
	pro	sr	maxdd	pro	sr	maxdd	win
1	114.19	0.689	34.22	137.72	0.775	35.74	12
2	231.75	0.866	33.77	137.72	0.775	35.74	20
3	185.08	0.826	38.89	137.72	0.775	35.74	25
4	130.23	0.771	27.24	137.72	0.775	35.74	13
5	219.18	0.851	32.36	137.72	0.775	35.74	22
6	128.60	0.684	39.27	137.72	0.775	35.74	14
7	117.61	0.712	30.86	137.72	0.775	35.74	12
8	118.37	0.722	34.84	137.72	0.775	35.74	11
9	112.24	0.649	34.53	137.72	0.775	35.74	13
10	252.85	0.972	34.61	137.72	0.775	35.74	29
avg	161.01	0.774	34.06	137.72	0.775	35.74	17.10
std	55.45	0.102	3.52	0.00	0.000	0.00	6.40

usonline_ws68_gr5_s2_sec10_pa30_g01-1_1015_ed32_thr00							
	pro	sr	maxdd	pro	sr	maxdd	win
1	179.95	0.916	34.12	137.72	0.775	35.74	26
2	119.94	0.687	40.47	137.72	0.775	35.74	10
3	89.76	0.576	45.97	137.72	0.775	35.74	5
4	309.05	0.902	35.19	137.72	0.775	35.74	24
5	148.85	0.856	29.82	137.72	0.775	35.74	20
6	164.46	0.806	30.72	137.72	0.775	35.74	22
7	97.88	0.642	36.29	137.72	0.775	35.74	11

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8	119.81	0.761	33.78	137.72	0.775	35.74	13
9	178.19	0.699	40.75	137.72	0.775	35.74	14
10	169.27	0.858	34.36	137.72	0.775	35.74	22
avg	157.72	0.770	36.15	137.72	0.775	35.74	16.70
std	62.48	0.116	4.94	0.00	0.000	0.00	7.01

addexp\_ws68\_gr5\_s2\_sec10\_pa30\_g011\_1015\_up20\_thr00

	pro	sr	maxdd	pro	sr	maxdd	win
1	282.97	0.903	30.86	137.72	0.775	35.74	24
2	164.60	0.758	31.43	137.72	0.775	35.74	17
3	132.81	0.726	31.62	137.72	0.775	35.74	12
4	190.38	0.839	34.81	137.72	0.775	35.74	22
5	127.90	0.712	31.60	137.72	0.775	35.74	14
6	133.65	0.836	28.74	137.72	0.775	35.74	13
7	145.05	0.760	29.82	137.72	0.775	35.74	15
8	131.94	0.691	32.99	137.72	0.775	35.74	13
9	230.87	0.894	34.81	137.72	0.775	35.74	27
10	222.53	0.881	29.78	137.72	0.775	35.74	23
avg	176.27	0.800	31.65	137.72	0.775	35.74	18.00
std	53.57	0.080	2.05	0.00	0.000	0.00	5.48

addexp\_ws68\_gr10\_s4\_sec10\_pa1\_g011\_1015\_thr00

	pro	sr	maxdd	pro	sr	maxdd
1	78.28	0.558	46.87	145.45	0.901	34.15
2	166.76	0.883	34.23	145.45	0.901	34.15
3	145.82	0.821	30.56	145.45	0.901	34.15
4	219.96	0.992	31.31	145.45	0.901	34.15
5	139.31	0.854	28.46	145.45	0.901	34.15
6	242.46	1.025	33.99	145.45	0.901	34.15
7	157.11	0.864	31.98	145.45	0.901	34.15
8	153.69	0.816	36.98	145.45	0.901	34.15
9	129.91	0.825	19.49	145.45	0.901	34.15
10	252.16	1.095	28.02	145.45	0.901	34.15
avg	168.55	0.873	32.19	145.45	0.901	34.15
std	54.23	0.147	7.01	0.00	0.000	0.00

dirich\_ws68\_gr10\_s456\_sec10\_pa1\_g011\_1015

	pro	sr	maxdd	pro	sr	maxdd
1	222.08	1.105	32.56	145.45	0.901	34.15
2	201.19	1.053	24.80	145.45	0.901	34.15
3	158.75	0.880	27.40	145.45	0.901	34.15
4	94.55	0.655	39.20	145.45	0.901	34.15
5	45.41	0.437	33.34	145.45	0.901	34.15
6	216.61	1.076	23.52	145.45	0.901	34.15
7	132.41	0.847	33.26	145.45	0.901	34.15
8	116.42	0.843	21.18	145.45	0.901	34.15
9	76.41	0.586	31.64	145.45	0.901	34.15
10	189.44	0.958	24.61	145.45	0.901	34.15
avg	145.33	0.844	29.15	145.45	0.901	34.15
std	61.94	0.223	5.69	0.00	0.000	0.00

dirich\_ws68\_gr10\_s456\_sec10\_pa1\_g011\_0510

	pro	sr	maxdd	pro	sr	maxdd
1	-67.62	-0.428	84.90	-29.49	0.018	79.79
2	-68.54	-0.452	85.78	-29.49	0.018	79.79
3	-66.79	-0.403	82.46	-29.49	0.018	79.79
4	-60.15	-0.324	80.64	-29.49	0.018	79.79
5	-65.16	-0.378	85.89	-29.49	0.018	79.79
6	-65.14	-0.411	84.02	-29.49	0.018	79.79
7	-67.86	-0.443	83.72	-29.49	0.018	79.79
8	-64.45	-0.354	82.32	-29.49	0.018	79.79
9	-63.47	-0.401	80.90	-29.49	0.018	79.79
10	-70.74	-0.471	96.86	-29.49	0.018	79.79
avg	-65.99	-0.407	84.75	-29.49	0.018	79.79
std	2.98	0.045	4.64	0.00	0.000	0.00

dirich\_ws68\_gr10\_s456\_sec10\_pa1\_g011\_exp512\_1015

	pro	sr	maxdd	pro	sr	maxdd
1	184.06	0.908	36.01	145.45	0.901	34.15
2	177.10	0.936	30.69	145.45	0.901	34.15

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3	75.94	0.568	35.22	145.45	0.901	34.15
4	148.61	0.820	33.27	145.45	0.901	34.15
5	46.73	0.423	34.58	145.45	0.901	34.15
6	87.90	0.619	34.16	145.45	0.901	34.15
7	168.75	0.865	38.99	145.45	0.901	34.15
8	112.11	0.730	28.63	145.45	0.901	34.15
9	176.76	0.942	24.18	145.45	0.901	34.15
10	70.26	0.535	32.59	145.45	0.901	34.15
avg	124.82	0.735	32.83	145.45	0.901	34.15
std	52.09	0.187	4.16	0.00	0.000	0.00

dirich\_ws68\_gr10\_s456\_sec10\_pa1\_g011\_exp512\_0510

	pro	sr	maxdd	pro	sr	maxdd
1	-29.12	-0.014	70.65	-29.49	0.018	79.79
2	-30.07	-0.014	71.71	-29.49	0.018	79.79
3	-42.46	-0.105	75.48	-29.49	0.018	79.79
4	-47.78	-0.190	76.66	-29.49	0.018	79.79
5	-42.80	-0.105	74.84	-29.49	0.018	79.79
6	-41.56	-0.108	76.25	-29.49	0.018	79.79
7	-34.68	-0.038	74.44	-29.49	0.018	79.79
8	-38.10	-0.070	74.45	-29.49	0.018	79.79
9	-30.30	-0.014	73.52	-29.49	0.018	79.79
10	-39.93	-0.092	76.87	-29.49	0.018	79.79
avg	-37.68	-0.075	74.49	-29.49	0.018	79.79
std	6.38	0.057	2.05	0.00	0.000	0.00