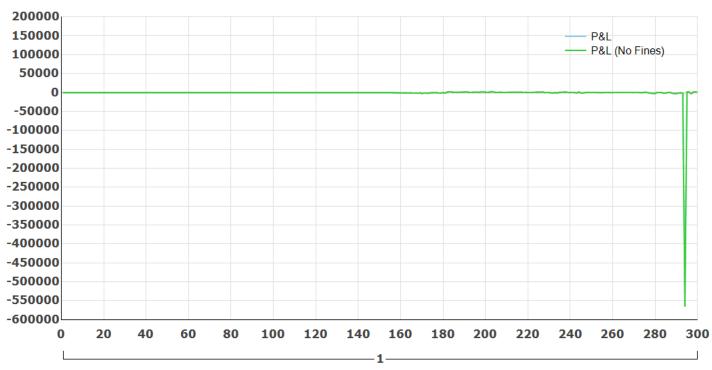
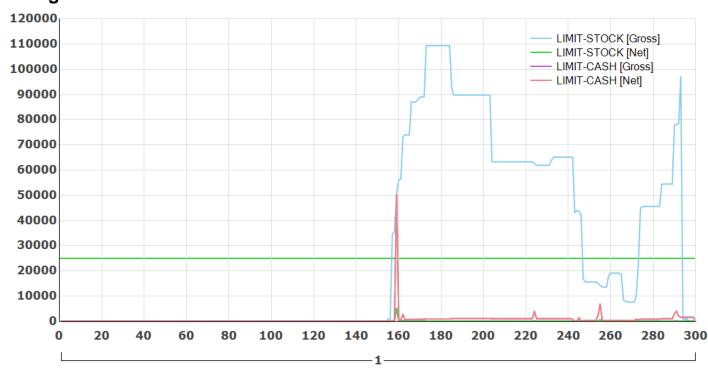
Trader: Algo Projects 101 **Simulation:** ETF Algo Case



Trader P&L Chart



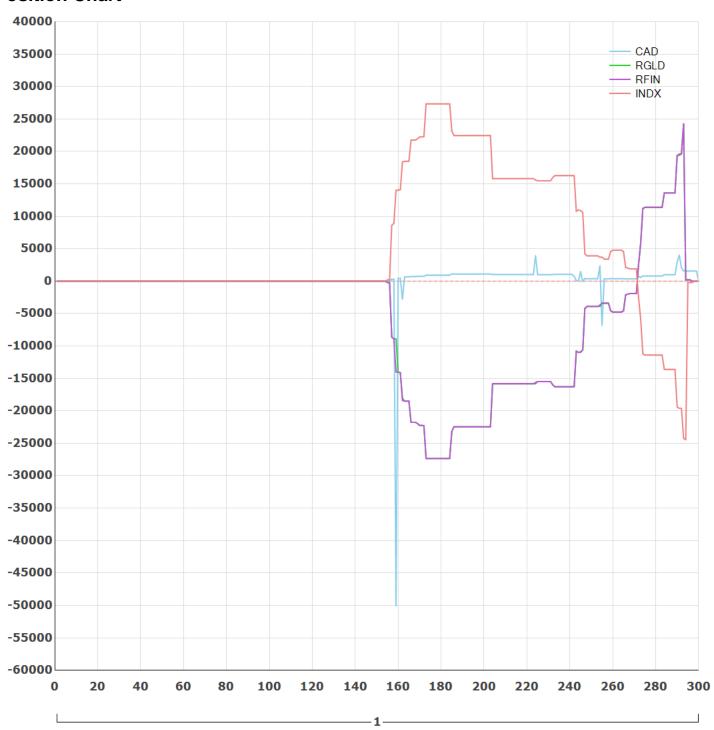
Trading Limit Chart



Trader: Algo Projects 101 **Simulation:** ETF Algo Case



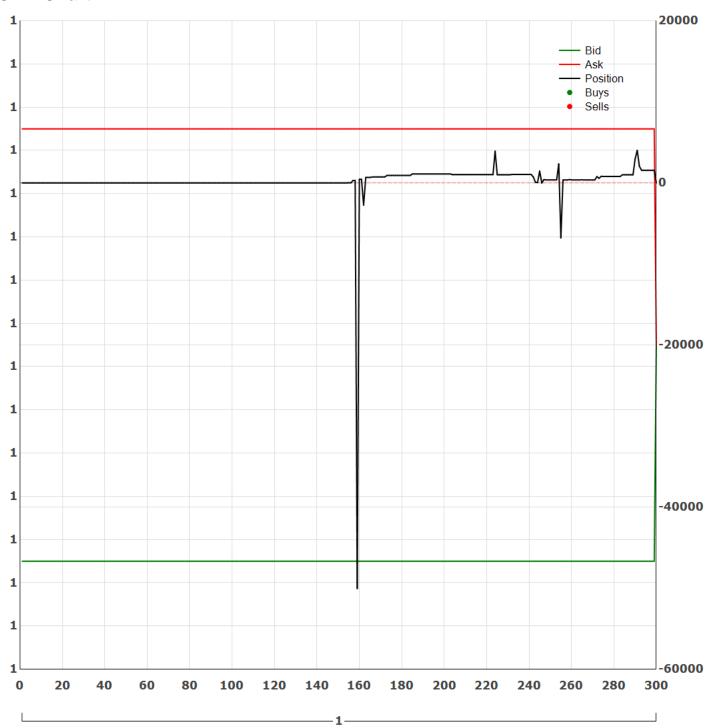
Position Chart



Simulation: ETF Algo Case



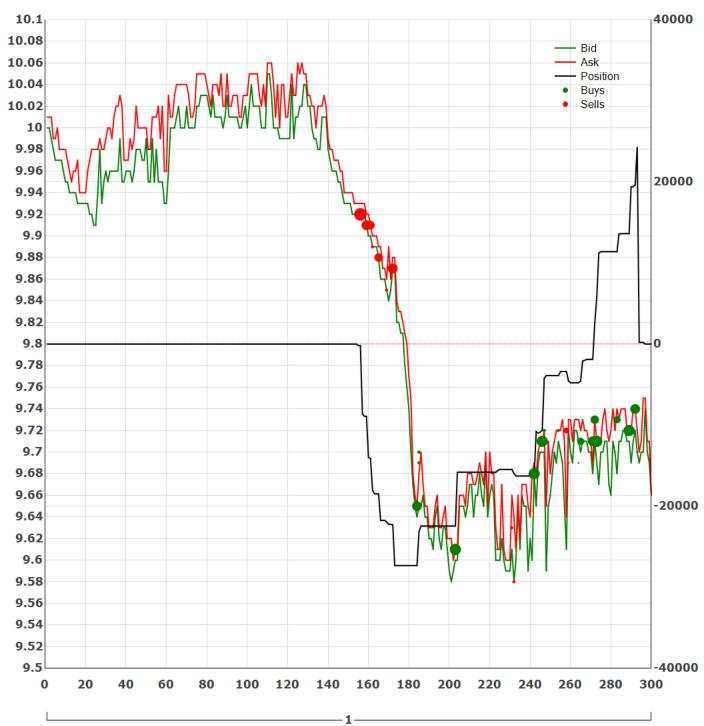
CAD Chart



Trader: Algo Projects 101 **Simulation:** ETF Algo Case



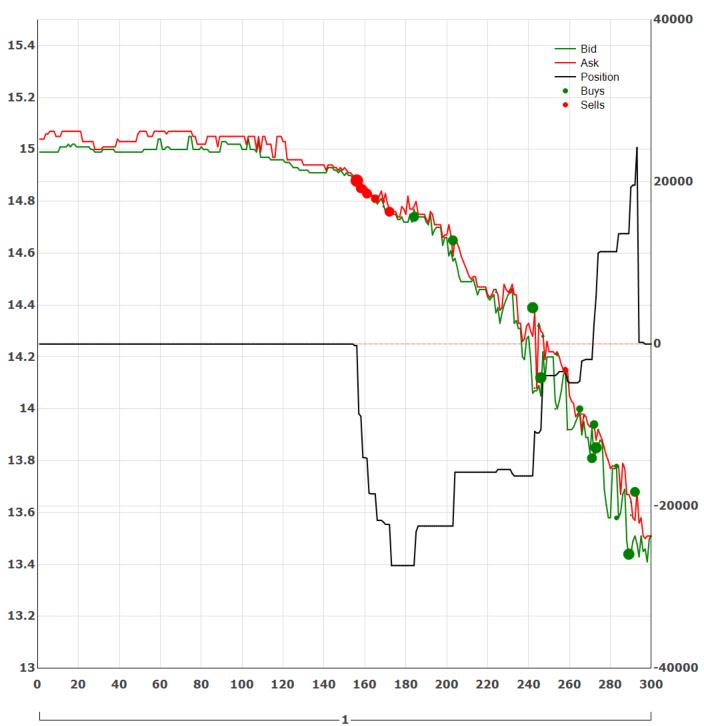
RGLD Chart



Simulation: ETF Algo Case



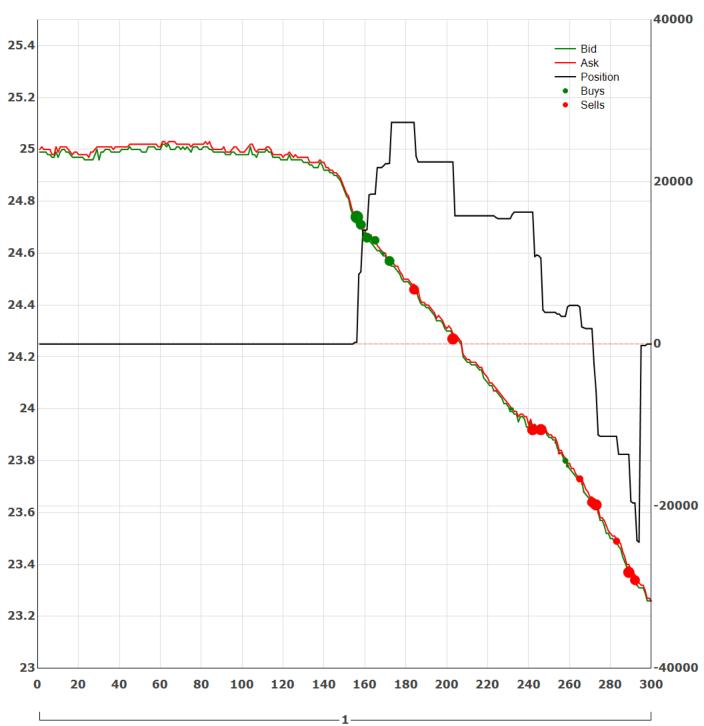
RFIN Chart



Trader: Algo Projects 101 **Simulation:** ETF Algo Case



INDX Chart



Simulation: ETF Algo Case



Security P&L Summary

Ticker	Realized P&L	Unrealized P&L	Commissions	Rebates	Total Volume	Buy Volume	Sell Volume	Buy VWAP	Sell VWAP
CAD	1,553.47	0.00	0.00	0.00	1,553.47	0.00	1,553.47	0.0000	1.0000
RGLD	4,869.31	0.00	838.59	0.00	83,859.00	54,151.00	29,708.00	9.6951	9.8829
RFIN	8,008.69	0.00	838.59	8.63	83,859.00	54,151.00	29,708.00	14.0689	14.7856
INDX	-12,538.68	0.00	419.30	0.75	83,859.00	29,708.00	54,151.00	24.6125	23.8006
TOTAL	1,892.79	0.00	2,096.48	9.38					

Security Orders Summary

Ticker	Submitted Orders	Active Buy Volume	Active Buy VWAP	Active Sell Volume	Active Sell VWAP	Passive Buy Volume	Passive Buy VWAP	Passive Sell Volume	Passive Sell VWAP	Passive:Acti ve Volume	Trades	Average Trade Value
CAD	0	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0	0.00
RGLD	50	54,151.00	9.6951	29,708.00	9.8829	0.00	0.0000	0.00	0.0000	0.00	47	17,417.05
RFIN	52	53,651.00	14.0735	29,518.00	14.7855	500.00	13.5800	190.00	14.7929	0.01	50	24,021.92
INDX	48	29,608.00	24.6154	54,151.00	23.8006	100.00	23.7800	0.00	0.0000	0.00	49	41,224.79
TOTAL	150										146	

Trading Limit Fines Summary

Name	Gross Limit	Net Limit	Gross Limit Fines	Net Limit Fines
LIMIT-STOCK	500,000.00	25,000.00	0.00	0.00
LIMIT-CASH	10,000,000.00	10,000,000.00	0.00	0.00
TOTAL			0.00	0.00

Asset P&L Summary

Ticker	P & L
ETF-Creation	1,214.15
ETF-Redemption	0.00

Asset Usage

Period	Tick	Ticker	Туре	Price
1	73	ETF-Creation	LEASE	0.00
1	74	ETF-Redemption	LEASE	0.00
1	75	ETF-Creation	LEASE	0.00
1	76	ETF-Redemption	LEASE	0.00
1	77	ETF-Creation	LEASE	0.00
1	78	ETF-Redemption	LEASE	0.00
1	79	ETF-Creation	LEASE	0.00
1	80	ETF-Redemption	LEASE	0.00
1	81	ETF-Creation	LEASE	0.00
1	82	ETF-Redemption	LEASE	0.00
1	83	ETF-Creation	LEASE	0.00
1	84	ETF-Redemption	LEASE	0.00
1	85	ETF-Creation	LEASE	0.00
1	86	ETF-Redemption	LEASE	0.00
1	87	ETF-Creation	LEASE	0.00
1	88	ETF-Redemption	LEASE	0.00
1	89	ETF-Creation	LEASE	0.00
1	90	ETF-Redemption	LEASE	0.00
1	91	ETF-Creation	LEASE	0.00
1	92	ETF-Redemption	LEASE	0.00
1	93	ETF-Creation	LEASE	0.00



Period	Tick	Ticker	Туре	Price
1	94	ETF-Redemption	LEASE	0.00
1	95	ETF-Creation	LEASE	0.00
1	96	ETF-Redemption	LEASE	0.00
1	97	ETF-Creation	LEASE	0.00
1	98	ETF-Redemption	LEASE	0.00
1	99	ETF-Creation	LEASE	0.00
1	100	ETF-Redemption	LEASE	0.00
1	101	ETF-Creation	LEASE	0.00
1	102	ETF-Redemption	LEASE	0.00
1	103	ETF-Creation	LEASE	0.00
1	104	ETF-Redemption	LEASE	0.00
1	105	ETF-Creation	LEASE	0.00
1	106	ETF-Redemption	LEASE	0.00
1	107	ETF-Creation	LEASE	0.00
1	108	ETF-Redemption	LEASE	0.00
1	109	ETF-Creation	LEASE	0.00
1	110	ETF-Redemption	LEASE	0.00
1	111	ETF-Creation	LEASE	0.00
1	112	ETF-Redemption	LEASE	0.00
1	113	ETF-Creation	LEASE	0.00
1	114	ETF-Redemption	LEASE	0.00
1	115	ETF-Creation	LEASE	0.00
1	116	ETF-Redemption	LEASE	0.00
1	117	ETF-Creation	LEASE	0.00
1	118	ETF-Redemption	LEASE	0.00
1	119	ETF-Creation	LEASE	0.00
1	120	ETF-Redemption	LEASE	0.00
1	120	ETF-Creation	LEASE	0.00
1	121	ETF-Redemption	LEASE	0.00
1	123	ETF-Creation	LEASE	0.00
1	123	ETF-Redemption	LEASE	0.00
	125	ETF-Redemption ETF-Creation	LEASE	0.00
1	126	ETF-Redemption	LEASE	
1	126	ETF-Redemption ETF-Creation	LEASE	0.00
1	127	ETF-Redemption	LEASE	0.00
1	129	ETF-Redemption ETF-Creation	LEASE	0.00
1	130	ETF-Redemption	LEASE	0.00
1	131	ETF-Redemption ETF-Creation	LEASE	
	132		LEASE	0.00
1	133	ETF-Redemption ETF-Creation	LEASE	0.00
	133	ETF-Creation ETF-Redemption	LEASE	0.00
1		ETF-Redemption ETF-Creation	LEASE	0.00
1	135			
1	136	ETF-Redemption	LEASE LEASE	0.00
1	137	ETF-Creation		0.00
1	138	ETF-Redemption ETF-Creation	LEASE	0.00
1	139		LEASE LEASE	0.00
1	140	ETF-Redemption		0.00
1	141	ETF-Creation	LEASE	0.00
1	142	ETF-Redemption	LEASE	0.00
1	143	ETF-Creation	LEASE	0.00
1	144	ETF-Redemption	LEASE	0.00
1	145	ETF-Creation	LEASE	0.00



Period	Tick	Ticker	Туре	Price
1	146	ETF-Redemption	LEASE	0.00
1	147	ETF-Creation	LEASE	0.00
1	148	ETF-Redemption	LEASE	0.00
1	149	ETF-Creation	LEASE	0.00
1	150	ETF-Redemption	LEASE	0.00
1	151	ETF-Creation	LEASE	0.00
1	152	ETF-Redemption	LEASE	0.00
1	153	ETF-Creation	LEASE	0.00
1	154	ETF-Redemption	LEASE	0.00
1	155	ETF-Creation	LEASE	0.00
1	156	ETF-Redemption	LEASE	0.00
1	157	ETF-Creation	LEASE	0.00
1	158	ETF-Redemption	LEASE	0.00
1	159	ETF-Creation	LEASE	0.00
1	160	ETF-Redemption	LEASE	0.00
1	161	ETF-Creation	LEASE	0.00
1	162	ETF-Redemption	LEASE	0.00
1	163	ETF-Creation	LEASE	0.00
1	164	ETF-Redemption	LEASE	0.00
1	165	ETF-Creation	LEASE	0.00
1	166	ETF-Redemption	LEASE	0.00
1	167	ETF-Creation	LEASE	0.00
1	168	ETF-Redemption	LEASE	0.00
1	169	ETF-Creation	LEASE	0.00
1	170	ETF-Redemption	LEASE	0.00
1	171	ETF-Creation	LEASE	0.00
1	172	ETF-Redemption	LEASE	0.00
1	173	ETF-Creation	LEASE	0.00
1	174	ETF-Redemption	LEASE	0.00
1	175	ETF-Creation	LEASE	0.00
1	176	ETF-Redemption	LEASE	0.00
1	177	ETF-Creation	LEASE	0.00
1	178	ETF-Redemption	LEASE	0.00
1	179	ETF-Creation	LEASE	0.00
1	180	ETF-Redemption	LEASE	0.00
1	181	ETF-Creation	LEASE	0.00
1	182	ETF-Redemption	LEASE	0.00
1	183	ETF-Creation	LEASE	0.00
1	184	ETF-Redemption	LEASE	0.00
1	185	ETF-Creation	LEASE	0.00
1	186	ETF-Redemption	LEASE	0.00
1	187	ETF-Creation	LEASE	0.00
1	188	ETF-Redemption	LEASE	0.00
1	189	ETF-Creation	LEASE	0.00
1	190	ETF-Redemption	LEASE	0.00
1	191	ETF-Creation	LEASE	0.00
1	192	ETF-Redemption	LEASE	0.00
1	193	ETF-Creation	LEASE	0.00
1	194	ETF-Redemption	LEASE	0.00
1	195	ETF-Creation	LEASE	0.00
1	196	ETF-Redemption	LEASE	0.00
1	197	ETF-Creation	LEASE	0.00
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Period	Tick	Ticker	Туре	Price
1	198	ETF-Redemption	LEASE	0.00
1	199	ETF-Creation	LEASE	0.00
1	200	ETF-Redemption	LEASE	0.00
1	201	ETF-Creation	LEASE	0.00
1	202	ETF-Redemption	LEASE	0.00
1	203	ETF-Creation	LEASE	0.00
1	204	ETF-Redemption	LEASE	0.00
1	205	ETF-Creation	LEASE	0.00
1	206	ETF-Redemption	LEASE	0.00
1	207	ETF-Creation	LEASE	0.00
1	208	ETF-Redemption	LEASE	0.00
1	209	ETF-Creation	LEASE	0.00
1	210	ETF-Redemption	LEASE	0.00
1	211	ETF-Creation	LEASE	0.00
1	212	ETF-Redemption	LEASE	0.00
1	213	ETF-Creation	LEASE	0.00
1	214	ETF-Redemption	LEASE	0.00
1	215	ETF-Creation	LEASE	0.00
1	216	ETF-Redemption	LEASE	0.00
1	217	ETF-Creation	LEASE	0.00
1	218	ETF-Redemption	LEASE	0.00
1	219	ETF-Creation	LEASE	0.00
1	220	ETF-Redemption	LEASE	0.00
1	221	ETF-Creation	LEASE	0.00
1	222	ETF-Redemption	LEASE	0.00
1	223	ETF-Creation	LEASE	0.00
1	224	ETF-Redemption	LEASE	0.00
1	225	ETF-Creation	LEASE	0.00
1	226	ETF-Redemption	LEASE	0.00
1	227	ETF-Creation	LEASE	0.00
1	228	ETF-Redemption	LEASE	0.00
1	229	ETF-Creation	LEASE	0.00
1	230	ETF-Redemption	LEASE	0.00
1	231	ETF-Creation	LEASE	0.00
1	232	ETF-Redemption	LEASE	0.00
1	233	ETF-Creation	LEASE	0.00
1	234	ETF-Redemption	LEASE	0.00
1	235	ETF-Creation	LEASE	0.00
1	236	ETF-Redemption	LEASE	0.00
1	237	ETF-Creation	LEASE	0.00
1	238	ETF-Redemption	LEASE	0.00
1	239	ETF-Creation	LEASE	0.00
1	240	ETF-Redemption	LEASE	0.00
1	241	ETF-Creation	LEASE	0.00
1	242	ETF-Redemption	LEASE	0.00
1	243	ETF-Creation	LEASE	0.00
1	244	ETF-Redemption	LEASE	0.00
1	245	ETF-Creation	LEASE	0.00
1	246	ETF-Redemption	LEASE	0.00
1	247	ETF-Creation	LEASE	0.00
1	248	ETF-Redemption	LEASE	0.00
1	249	ETF-Creation	LEASE	0.00



Period	Tick	Ticker	Туре	Price
1	250	ETF-Redemption	LEASE	0.00
1	251	ETF-Creation	LEASE	0.00
1	252	ETF-Redemption	LEASE	0.00
1	253	ETF-Creation	LEASE	0.00
1	254	ETF-Redemption	LEASE	0.00
1	255	ETF-Creation	LEASE	0.00
1	256	ETF-Redemption	LEASE	0.00
1	257	ETF-Creation	LEASE	0.00
1	258	ETF-Redemption	LEASE	0.00
1	259	ETF-Creation	LEASE	0.00
1	260	ETF-Redemption	LEASE	0.00
1	261	ETF-Creation	LEASE	0.00
1	262	ETF-Redemption	LEASE	0.00
1	263	ETF-Creation	LEASE	0.00
1	264	ETF-Redemption	LEASE	0.00
1	265	ETF-Creation	LEASE	0.00
1	266	ETF-Redemption	LEASE	0.00
1	267	ETF-Creation	LEASE	0.00
1	268	ETF-Redemption	LEASE	0.00
1	269	ETF-Creation	LEASE	0.00
1	270	ETF-Redemption	LEASE	0.00
1	271	ETF-Creation	LEASE	0.00
1	272	ETF-Redemption	LEASE	0.00
1	273	ETF-Creation	LEASE	0.00
1	274	ETF-Redemption	LEASE	0.00
1	275	ETF-Creation	LEASE	0.00
1	276	ETF-Redemption	LEASE	0.00
1	277	ETF-Creation	LEASE	0.00
1	278	ETF-Redemption	LEASE	0.00
1	279	ETF-Creation	LEASE	0.00
1	280	ETF-Redemption	LEASE	0.00
1	281	ETF-Creation	LEASE	0.00
1	282	ETF-Redemption	LEASE	0.00
1	283	ETF-Creation	LEASE	0.00
1	284	ETF-Redemption	LEASE	0.00
1	285	ETF-Creation	LEASE	0.00
1	286	ETF-Redemption	LEASE	0.00
1	287	ETF-Creation	LEASE	0.00
1	288	ETF-Redemption	LEASE	0.00
1	289	ETF-Creation	LEASE	0.00
1	290	ETF-Redemption	LEASE	0.00
1	291	ETF-Creation	LEASE	0.00
1	292	ETF-Redemption	LEASE	0.00
1	293	ETF-Creation	LEASE	0.00
1	294	ETF-Redemption	LEASE	0.00
1	295	ETF-Creation	LEASE	0.00
1	296	ETF-Redemption	LEASE	0.00
1	297	ETF-Creation	LEASE	0.00
1	298	ETF-Redemption	LEASE	0.00
1	299	ETF-Creation	LEASE	0.00
1	300	ETF-Redemption	LEASE	0.00



Case Info

Parameter	Value
Simulation Name	ETF Algo Case
Periods	1
Ticks/Period	300
Stop-Loss Limit	5000000
API Enabled	True
RTD Enabled	True
Trade At Settled Enabled	False

Security Info

Parameter	CAD	RGLD	RFIN	INDX
Ticker	CAD	RGLD	RFIN	INDX
Туре	CURRENCY	STOCK	STOCK	STOCK
Start Period	1	1	1	1
Stop Period	1	1	1	1
Unit Multiplier	1	1	1	1
Fee Type	PER_TRADE	PER_UNIT	PER_UNIT	PER_UNIT
Fee	0	0.01	0.01	0.005
API Orders/Second	100	100	100	100
Maximum Price	1.01	15	20	35
Minimum Price	0.99	6	10	15
Max Trade Size	2500000	10000	10000	10000
Limits	LIMIT-CASH×1	LIMIT-STOCK×1	LIMIT-STOCK×1	LIMIT-STOCK×0.5
Display Units	CAD	Shares	Shares	Units
Quoted Decimals	4	2	2	2
Short Allowed	True	True	True	True
Limit Order Rebate	0	0.0125	0.0125	0.0075

Asset Info

Parameter	ETF-Creation	ETF-Redemption
Ticker	ETF-Creation	ETF-Redemption
Туре	REFINERY	REFINERY
Start Period	1	1
Stop Period	1	1
Total Available	20	20
Lease Price	0	0
Lease Limit/Trader	1	1
Lease Ticks	2	2
Containment		
Convert From	RGLD×100000, RFIN×100000	INDX×100000, CAD×3750
Convert To	INDX×100000	RGLD×100000, RFIN×100000
Convert Ticks	2	2