Objective: \$957, 123, 378, 976; without intervention: \$1,003,472,566,804 (Desired optimality gap: 50%; actual: 33%. Time to solve: 34s) $C^I = \$10,000,C^D = \$10,000,000$ One Period=7 days (costs scaled by 1,000,000 during optimization) Solved using solve_and_process_lookahead_w_10_truncate_costs_15

								Solved using solve_and_process_lookahead_w_10_truncate_costs_15						
	Infected - No intervention Infected Cumulative Deaths - No intervention												. O	· 10 ⁶
F	Recovered - No intervention Recovered Susceptible - No intervention							······································	. •			⊙⊙		- \$1,000,00
	Susceptible Cumulative Costs of Interventions Cumulative Cost Total Cumulative Cost Total - No intervention				·			${}_{\bullet} \mathbf{O}^{*} \circ {}^{*} \circ {$		•		0 0	◆ ◆ ◆ ◆ ◆ \$957, 123 · 1	100
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0. Movement A: \$[500 ,1000]·10 ² C: \$[10 ,14]·10 ² P: [.93 ,.9]	2		3 4	4	3	4		2	2	4				
1. Education (University level) A: \$[0 ,0]·10 ² C: \$[10 ,14]·10 ² P: [.99 ,.93]	2	3	4 4	4	4	4		2						
P: [.99 ,.93]														
2. Social Gatherings (in a house)														
2. Social Gatherings (in a house) A: \$[0 ,0 ,0 ,0]·10 ² C: \$[8 ,10 ,12 ,14]·10 ² P: [.99 ,.97 ,.95 ,.9]	4							4	4	4				
3. Non-Food Service (bank,retail, etc) A: \$[250 ,500 ,1000]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.93 ,.9]	3		4 4		4	4		3	3	2				
.														
4. Restaurants A: \$[500 ,1000] 10 ²	2	3	4 4	4	4	3		2	2	1				
C: \$[10 ,14]·10 ² P: [.93 ,.9]			. 4											
5 Macking														
5. Masking A: \$[0 ,0 ,0]·10 ² C: \$[8 ,10 ,14]·10 ² P: [.99 ,.93 ,.9]	3	4	4	4	4			3	3	3	2			
						+								
Cost Per Period: TOTAL Cost Per Period: POLICY Cost Per Period: DISEASE	\$2.7e+09 \$2.5e+09 \$1.8e+08 0.546	\$3.8e+08 \$0.0 \$3.8e+08	8 \$7.4e+08 \$1.4 \$0.0 \$0.0 8 \$7.4e+08 \$1.4	le+09 \$2.8e+ \$0.0 le+09 \$2.8e+	+09	\$1.9e+16 \$0.0 \$1.9e+16	0 \$3.6e+10 \$0.0 0 \$3.6e+10	\$6.1e+10 \$2.5e+09 \$5.9e+10 0.546	\$1.5e+10 \$2.1e+09 \$1.3e+10 0.590	\$1e+10 \$1.4e+09 \$8.9e+09 0.693	\$7.3e+09 \$3e+08 \$7e+09	\$2.7e+09 \$0.0 \$2.7e+09 1.000		
Probability Factor	0.546	1.000	1.000 1.00	00 1.000	1.000 1.000	1.000	1.000	0.546	0.590	0.693	0.925	1.000		