

Traveling Salesman Approach: Simulates a park visitor that has a course of action upon entering the theme park. Minimizes time spent walking, but is blind to wait time.

ARRIVAL	ALL RIDES COMPLETED	BREAKS	ACTUAL FINISH	LINE WAIT	TIME PER RIDE (AVG.)	<u>WALKING TIME</u> 39 MINUTES <u>DISTANCE WALKED</u> 1.72 MILES
8:00 AM	4 hr 42 min	1 hr 10 min	1:52 PM	2 hr 45 min	35.2	
10:00 AM	5 hr 56 min	1 hr 29 min	5:25 PM	3 hr 46 min	44.5	
12:00 PM	6 hr 22 min	1 hr 35 min	7:57 PM	4 hr 12 min	47.7	
2:00 PM	6 hr 40 min	1 hr 40 min	10:20 PM	4 hr 21 min	50	
4:00 PM	6 hr 26 min	1 hr 35 min	Midnight	4 hr 16 min	48.1	

"Hate Waiting": Indifferent to walking distances but hate waiting in line. Simulates visitors who "try" to choose the order of their day roughly based on popularity of rides.
Ride order (ride wait time, greatest to least): 0, 1, 2, 10, 7, 5, 3, 4, 6, 8, 9, 0

ARRIVAL	ALL RIDES COMPLETED	BREAKS	ACTUAL FINISH	LINE WAIT	TIME PER RIDE (AVG.)	<u>WALKING TIME</u> 55 MINUTES <u>DISTANCE WALKED</u> 2.49 MILES
8:00 AM	4 hr 35 min	1 hr 8 min	1:43 PM	2 hr 9 min	34.3	
10:00 AM	6 hr 23 min	1 hr 35 min	5:58 PM	3 hr 57 min	47.8	
12:00 PM	6 hr 26 min	1 hr 36 min	8:02 PM	4 hr 0 min	48.2	
2:00 PM	7 hr 8 min	1 hr 48 min	10:56 PM	4 hr 21 min	53.6	
4:00 PM	6 hr 23 min	1 hr 35 min	DNF (9/10)	4 hr 14 min	53.1	

Random Ride Selection: Simulates visitors who have no plan of action, and complete all activities at their own discretion. Accounts for visitors that commonly think, "What should we do next?"
Random Ride order: 0, 1, 10, 7, 5, 6, 9, 4, 3, 2, 8, 0

ARRIVAL	ALL RIDES COMPLETED	BREAKS	ACTUAL FINISH	LINE WAIT	TIME PER RIDE (AVG.)	<u>WALKING TIME</u> 58 MINUTES <u>DISTANCE WALKED</u> 2.66 MILES
8:00 AM	4 hr 48 min	1 hr 12 min	2:00 PM	2 hr 19 min	36	
10:00 AM	6 hr 10 min	1 hr 33 min	5:43 PM	3 hr 41 min	46.3	
12:00 PM	6 hr 38 min	1 hr 40 min	8:18 PM	4 hr 9 min	49.8	
2:00 PM	7 hr 5 min	1 hr 46 min	10:51 PM	4 hr 26 min	53.1	
4:00 PM	6 hr 22 min	1 hr 40 min	DNF (9/10)	4 hr 11 min	53.3	

"Do it again!": Accounts for visitors who enjoy attractions so much, that they want to repeat them.
Only 8 different rides completed (10 total), 2 rides randomly chosen to be repeated again.
Order (as given by map #'s): 0, 6, 6, 3, 4, 2, 1, 10, 9, 9, 8, 0 (No SPLASH MOUNTAIN OR PETER PAN)

ARRIVAL	ALL RIDES COMPLETED	BREAKS	ACTUAL FINISH	LINE WAIT	TIME PER RIDE (AVG.)	<u>WALKING TIME</u> 43 MINUTES <u>DISTANCE WALKED</u> 1.94 MILES
8:00 AM	4 hr 23 min	1 hr 6 min	1:29 PM	2 hr 4 min	32.9	
10:00 AM	5 hr 32 min	1 hr 23 min	4:55 PM	3 hr 12 min	41.5	
12:00 PM	5 hr 54 min	1 hr 28 min	7:22 PM	3 hr 35 min	44.2	
2:00 PM	6 hr 4 min	1 hr 31 min	9:35 PM	3 hr 46 min	45.5	
4:00 PM	6 hr 7 min	1 hr 32 min	11:39 PM	3 hr 47 min	45.9	