

# Heuristics for the Eight Puzzle

	Name	Student ID #	UW NetID
Partner 1	Justin Ung	1934572	ungjus19
Partner 1	Nadir Tareen	1765492	nadirkt

Puzzle A			Puzzle B			Puzzle C			Puzzle D		
3	0	1	3	1	2	4	5	0	0	8	2
6	4	2	6	7	8	1	2	8	1	7	4
7	8	5	5	4	0	3	7	6	3	6	5

Puzzle	Heuristic	Solved?	# Sol Edges	Soln Cost	# Expanded	Max OPEN
A	None (UCS)	Y	7	7.0	166	101
A	Hamming	Y	7	7.0	7	6
A	Manhattan	Y	7	7.0	7	6
B	None (UCS)	Y	12	12.0	1490	898
B	Hamming	Y	12	12.0	94	72
B	Manhattan	Y	12	12.0	33	25
C	None (UCS)	Y	14	14.0	4070	2290
C	Hamming	Y	14	14.0	189	127
C	Manhattan	Y	14	14.0	56	39
D	None (UCS)	Y	16	16.0	7982	4700
D	Hamming	Y	16	16.0	589	368
D	Manhattan	Y	16	16.0	148	96