DFS:

Problems	Missionaries and	Farmer, Fox,	4-Disk Towers of
	Cannibals	Chicken, and Grain	Hanoi
Path found from	M on left:3	[['F', 'f', 'c', 'g'],[]]	[[4, 3, 2, 1],[],[]]
start to goal	C on left:3 M on right:0		[[4, 3, 2],[1],[]]
start to goar	C on right:0	[['f', 'g'],['F', 'c']]	[[4, 3],[1],[2]]
	boat is on the left.		[[4, 3, 1], [], [2]]
	M on left:2	ווידי ולי יבין ויבין	[[4, 3],[],[2, 1]]
	C on left:2	[['F', 'f', 'g'],['c']]	[[4],[3],[2,1]]
	M on right:1 C on right:1	EEL 13 EUEN 161 1 133	[[4, 1],[3],[2]]
	boat is on the right.	[['g'],['F', 'f', 'c']]	[[4],[3,1],[2]]
	M 1-6-2	55150 4 4 4 5 51000	[[4, 2],[3, 1],[]]
	M on left:3 C on left:2	[['F', 'c', 'g'],['f']]	[[4, 2, 1],[3],[]]
	M on right:0		[[4, 2], [3], [1]]
	C on right:1 boat is on the left.	[['c'],['F', 'f', 'g']]	[[4],[3,2],[1]]
	boat is on the left.		[[4, 1], [3, 2], [1]]
	M on left:0	[['F', 'c'],['f', 'g']]	[[4],[3,2,1],[]]
	C on left:2 M on right:3		
	C on right:1	[[],['F', 'f', 'c', 'g']]	[[],[3,2,1],[4]]
	boat is on the right.		[[1],[3,2],[4]]
	M on left:2		[[],[3, 2],[4, 1]]
	C on left:2		[[2],[3],[4,1]]
	M on right:1 C on right:1		[[2, 1],[3],[4]]
	boat is on the left.		[[2],[3,1],[4]]
	M on left:1		[[],[3, 1],[4, 2]]
	C on left:1		[[1],[3],[4,2]]
	M on right:2		[[],[3],[4, 2, 1]]
	C on right:2 boat is on the right.		[[3],[],[4, 2, 1]]
			[[3, 1],[],[4, 2]]
	M on left:3 C on left:1		[[3],[1],[4,2]]
	M on right:0		[[3, 2],[1],[4]]
	C on right:2 boat is on the left.		[[3, 2, 1],[],[4]]
	boat is on the left.		[[3, 2],[],[4, 1]]
	M on left:0		[[3],[2],[4,1]]
	C on left:1 M on right:3		[[3, 1],[2],[4]]
	C on right:2		[[3],[2, 1],[4]]
	boat is on the right.		[[],[2,1],[4,3]]
	M on left:1		[[1],[2],[4,3]]
	C on left:1		[[],[2],[4, 3, 1]]
	M on right:2 C on right:2		[[2],[],[4, 3, 1]]
	boat is on the left.		[[2, 1],[],[4, 3]]
	M on left:0		[[2],[1],[4,3]]
	M on left:0 C on left:0		[[],[1],[4, 3, 2]]
	M on right:3		[[1],[],[4, 3, 2]]
	C on right:3 boat is on the right.		[[],[],[4,3,2,1]]
Length of the path	9 edges	7 edges	40 edges
Number of nodes	10 states expanded	7 states expanded	40 states expanded
	To states expanded	/ states expanded	TO States Expanded
expanded			

BFS:

Problems	Missionaries and	Farmer, Fox,	4-Disk Towers of
	Cannibals	Chicken, and Grain	Hanoi
Path found from start	M on left:3	[['F', 'f', 'c', 'g'],[]]	[[4, 3, 2, 1],[],[]]
to goal	C on left:3	, , , , , , , , , , , , , , , , , , , ,	[[4, 3, 2],[1],[]]
to gour	M on right:0	[['f', 'g'],['F', 'c']]	[[4, 3],[1],[2]]
	C on right:0		
	boat is on the left.	551751 161 1 13 51 133	[[4, 3, 1],[],[2]]
		[['F', 'f', 'g'],['c']]	[[4, 3],[],[2, 1]]
	M on left:2		[[4],[3],[2, 1]]
	C on left:2	[['f'],['F', 'c', 'g']]	[[4, 1],[3],[2]]
	M on right:1		[[4, 1],[3, 2],[]]
	C on right:1	[['F', 'f', 'c'],['g']]	[[4],[3, 2, 1],[]]
	boat is on the right.		[[],[3, 2, 1],[4]]
	M on left:3	וויס'ז וידי 'ל' ימ'זז	
	C on left:2	[['c'],['F', 'f', 'g']]	[[1],[3,2],[4]]
	M on right:0	551751 1 12 51 <i>G</i> 1 1 122	[[],[3, 2],[4, 1]]
	C on right:1	[['F', 'c'],['f', 'g']]	[[2],[3],[4, 1]]
	boat is on the left.		[[2, 1],[3],[4]]
		[[],['F', 'f', 'c', 'g']]	[[2, 1],[],[4, 3]]
	M on left:1		[[2],[1],[4, 3]]
	C on left:1		[[],[1],[4,3,2]]
	M on right:2		[[1],[1],[4,3,2]]
	C on right:2		
	boat is on the right.		[[],[],[4, 3, 2, 1]]
	M on left:3		
	C on left:1		
	M on right:0		
	C on right:2		
	boat is on the left.		
	M on left:0		
	C on left:1		
	M on right:3		
	C on right:2		
	boat is on the right.		
	Man laft.1		
	M on left:1 C on left:1		
	M on right:2 C on right:2		
	boat is on the left.		
	oour is on the left.		
	M on left:0		
	C on left:0		
	M on right:3		
	C on right:3		
Length of the path	7 edges	7 edges	18 edges
Number of nodes	10 states expanded	9 states expanded	70 states expanded
expanded			