Table 1

	Missionaries and Cannibals BFS	Missionaries and Cannibals DFS	Farmer, Fox, Chicken, and Grain BFS	Farmer, Fox, Chicken, and Grain DFS	4-Disk Towers of Hanoi BFS	4-Disk Towers of Hanoi DFS

Path	M on left:3
	C on left:3
	  M on right:0
	  C on right:0
	boat is on the left.
	
	M on left:2
	C on left:2
	  M on right:1
	  C on right:1
	boat is on the right.
	
	M on left:3
	C on left:2
	  M on right:0
	  C on right:1
	boat is on the left.
	
	M on left:1
	C on left:1
	  M on right:2
	  C on right:2
	boat is on the right.
	
	M on left:2
	C on left:2
	  M on right:1
	  C on right:1
	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.
	
	M on left:1
	C on left:1
	  M on right:2
	  C on right:2
	boat is on the left.
	
	M on left:0
	C on left:0
	  M on right:3
	  C on right:3
	boat is on the right.
		M on left:3
		C on left:3
		  M on right:0
		  C on right:0
		boat is on the left.
		
		M on left:2
		C on left:2
		  M on right:1
		  C on right:1
		boat is on the right.
		
		M on left:3
		C on left:2
		  M on right:0
		  C on right:1
		boat is on the left.
		
		M on left:0
		C on left:2
		  M on right:3
		  C on right:1
		boat is on the right.
		
		M on left:2
		C on left:2
		  M on right:1
		  C on right:1
		boat is on the left.
		
		M on left:1
		C on left:1
		  M on right:2
		  C on right:2
		boat is on the right.
		
		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.
		
		M on left:1
		C on left:1
		  M on right:2
		  C on right:2
		boat is on the left.
		
		M on left:0
		C on left:0
		  M on right:3
		  C on right:3
		boat is on the right.
			Left bank: Ffcg
			Right bank:
			boat is on the left.
			
			Left bank: fg
			Right bank: Fc
			boat is on the right.
			
			Left bank: Ffg
			Right bank: c
			boat is on the left.
			
			Left bank: g
			Right bank: Ffc
			boat is on the right.
			
			Left bank: Fcg
			Right bank: f
			boat is on the left.
			
			Left bank: c
			Right bank: Ffg
			boat is on the right.
			
			Left bank: Fc
			Right bank: fg
			boat is on the left.
			
			Left bank:
			Right bank: Ffcg
			boat is on the right.
				Left bank: Ffcg
				Right bank:
				boat is on the left.
				
				Left bank: fg
				Right bank: Fc
				boat is on the right.
				
				Left bank: Ffg
				Right bank: c
				boat is on the left.
				
				Left bank: g
				Right bank: Ffc
				boat is on the right.
				
				Left bank: Fcg
				Right bank: f
				boat is on the left.
				
				Left bank: c
				Right bank: Ffg
				boat is on the right.
				
				Left bank: Fc
				Right bank: fg
				boat is on the left.
				
				Left bank:
				Right bank: Ffcg
				boat is on the right.
					[[4, 3, 2, 1] ,[] ,[]]
					[[4, 3, 2] ,[1] ,[]]
					[[4, 3] ,[1] ,[2]]
					[[4, 3, 1] ,[] ,[2]]
					[[4, 3] ,[] ,[2, 1]]
					[[4] ,[3] ,[2, 1]]
					[[4, 1] ,[3] ,[2]]
					[[4, 1] ,[3, 2] ,[]]
					[[4] ,[3, 2, 1] ,[]]
					[[] ,[3, 2, 1] ,[4]]
					[[1] ,[3, 2] ,[4]]
					[[] ,[3, 2] ,[4, 1]]
					[[2] ,[3] ,[4, 1]]
					[[2, 1] ,[3] ,[4]]
					[[2, 1] ,[] ,[4, 3]]
					[[2] ,[1] ,[4, 3]]
					[[] ,[1] ,[4, 3, 2]]
					[[1] ,[] ,[4, 3, 2]]
					[[] ,[] ,[4, 3, 2, 1]]
						[[4, 3, 2, 1] ,[] ,[]]
						[[4, 3, 2] ,[1] ,[]]
						[[4, 3] ,[1] ,[2]]
						[[4, 3, 1] ,[] ,[2]]
						[[4, 3] ,[] ,[2, 1]]
						[[4] ,[3] ,[2, 1]]
						[[4, 1] ,[3] ,[2]]
						[[4, 2] ,[3, 1] ,[]]
						[[4, 2, 1] ,[3] ,[]]
						[[4, 2] ,[3] ,[1]]
						[[4] ,[3, 2] ,[1]]
						[[4, 1] ,[3, 2] ,[]]
						[[4, 3, 2, 1] ,[] ,[]]
						[[] ,[3, 2, 1] ,[4]]
						[[1] ,[3, 2] ,[4]]
						[[] ,[3, 2] ,[4, 1]]
						[[2] ,[3] ,[4, 1]]
						[[2, 1] ,[3] ,[4]]
						[[2] ,[3, 1] ,[4]]
						[[] ,[3, 1] ,[4, 2]]
						[[1] ,[3] ,[4, 2]]
						[[] ,[3] ,[4, 2, 1]]
						[[3] ,[] ,[4, 2, 1]]
						[[3, 1] ,[] ,[4, 2]]
						[[3] ,[1] ,[4, 2]]
						[[3, 2] ,[1] ,[4]]
						[[3, 2, 1] ,[] ,[4]]
						[[3, 2] ,[] ,[4, 1]]
						[[3] ,[2] ,[4, 1]]
						[[3, 1] ,[2] ,[4]]
						[[3] ,[2, 1] ,[4]]
						[[] ,[2, 1] ,[4, 3]]
						[[1] ,[2] ,[4, 3]]
						[[] ,[2] ,[4, 3, 1]]
						[[2] ,[] ,[4, 3, 1]]
						[[2, 1] ,[] ,[4, 3]]
						[[2] ,[1] ,[4, 3]]
						[[] ,[1] ,[4, 3, 2]]
						[[1] ,[] ,[4, 3, 2]]
						[[] ,[] ,[4, 3, 2, 1]]

Length	7	9	7	7	18	40
Number of nodes expended	10	10	10	8	70	40

	Missionaries and Cannibals BFS	Missionaries and Cannibals DFS	Farmer, Fox, Chicken, and Grain BFS	Farmer, Fox, Chicken, and Grain DFS	4-Disk Towers of Hanoi BFS	4-Disk Towers of Hanoi DFS
			2			