Problem	Search	Solution Path	Length of Path	Number of
Missionaries and Cannibals	Algorithm DFS	M on left:3 C on left:3 M on right:0 C on right:0 boat is on the left.	9 edges	Nodes Expanded 10 nodes
		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.		
Missionaries and Cannibals	BFS	M on left:3 C on left:3 M on right:0 C on right:0 boat is on the left.	7 edges	10 nodes
		M on left:2 C on left:2 M on right:1 C on right:1		

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	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:3		
	C on left:1		
	M on right:0		
	C on right:2		
	boat is on the		
	left.		
	1011.		
	M on left:0		
	C on left:1		
	M on right:3		
	C on right:2		
	boat is on the		
	right.		
	115111.		
	M on left:1		
	C on left:1		
	M on right:2		
	C on right:2 boat is on the		
	left.		
	1011.		
	M on left:0		
	C on left:0		

		M on right:3		
		C on right:3		
		boat is on the		
		right.		
Farmer, Fox,	DFS	Farmer on left	7 edges	7 nodes
Chicken, and		side of river		
Grain				
		Fox on left side		
		of river		
		Chicken on left		
		side of river		
		Grain on left		
		side of river		
		Side of fiver		
		Farmer on right		
		side of river		
		Fox on left side		
		of river		
		Clair land		
		Chicken on		
		right side of river		
		TIVEI		
		Grain on left		
		side of river		
		Farmer on left		
		side of river		
		E 1 C 11		
		Fox on left side		
		of river		
		Chicken on		
		right side of		
		river		
		Grain on left		
		side of river		

Farmer on right
side of river
Fox on right
side of river
Chicken on
right side of
river
Tiver
Grain on left
side of river
Farmer on left
side of river
Fox on right
side of river
Chicken on left
side of river
Grain on left
side of river
Farmer on right
side of river
Fox on right
side of river
3.44
Chicken on left
side of river
SIGO OF HIVE
Grain on right
side of river
Side of fiver
Former on left
Farmer on left
side of river
Fox on right
side of river

		Chicken on left side of river Grain on right side of river Farmer on right side of river Fox on right side of river Chicken on right side of river		
		Grain on right side of river		
Farmer, Fox, Chicken, and Grain	BFS	Farmer on left side of river Chicken on left side of river Chicken on left side of river Grain on left side of river Farmer on right side of river Fox on left side of river Chicken on right side of river Chicken on right side of river Chicken on right side of river Grain on left side of river	7 edges	9 nodes

Farmer on left
side of river
Fox on left side
of river
Chicken on
right side of
river
Grain on left
side of river
side of fiver
Farmer on right
side of river
Fox on left side
of river
Chicken on
right side of
river
Grain on right
side of river
side of fiver
Farmer on left
side of river
Fox on left side
of river
Chicken on left
side of river
Grain on right
side of river
Farmer on right
side of river
Fox on right
side of river
SIGC OF TIVE

		Chicken on left side of river		
		Grain on right side of river		
		Farmer on left side of river		
		Fox on right side of river		
		Chicken on left side of river		
		Grain on right side of river		
		Farmer on right side of river		
		Fox on right side of river		
		Chicken on right side of		
		river		
		Grain on right		
Disk Towers of	DFS	side of river [[4, 3, 2, 1],[]	40 edges	40 nodes
Hanoi	DIS	,[]]	40 edges	40 nodes
		[[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],[3,1],[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]]		
Disk Towers of	BFS	[[4, 3, 2, 1],[]	18 edges	70 nodes
Hanoi		,[]] [[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]]	