UWNetID: honkuro

Student number: 1926128

Feature	DFS + Missionaries	BFS + Missionaires	DFS+farmer_fox	BFS+Farmer_Fox
	Solution path:	Solution path:	Solution path:	Solution path:
	M on left:3	M on left:3		
	C on left:3	C on left:3	Farmer on left:1	Farmer on left:1
	M on right:0	M on right:0	Fox on left:1	Fox on left:1
	C on right:0	C on right:0	Grain on left:1	Grain on left:1
	boat is on the left.	boat is on the left.	Chicken on left:1	Chicken on left:1
			Farmer on right:0	Farmer on right:0
			Fox on right:0	Fox on right:0
	M on left:2	M on left:2	Grain on right:0	Grain on right:0
	C on left:2	C on left:2	Chicken on	Chicken on right:0
	M on right:1	M on right:1	right:0	boat is on the left.
	C on right:1	C on right:1	boat is on the left.	
Path	boat is on the right.	boat is on the right.		
				Farmer on left:0
	M on left:3		Farmer on left:0	Fox on left:1
	C on left:2	M on left:3	Fox on left:1	Grain on left:1
	M on right:0	C on left:2	Grain on left:1	Chicken on left:0
	C on right:1	M on right:0	Chicken on left:0	Farmer on right:1
aui	boat is on the left.	C on right:1	Farmer on right:1	Fox on right:0
		boat is on the left.	Fox on right:0	Grain on right:0
	M on left:0		Grain on right:0	Chicken on right:1
	C on left:2		Chicken on	boat is on the right.
	M on right:3	M on left:1	right:1	
	C on right:1	C on left:1	boat is on the	
	boat is on the right.	M on right:2	right.	Farmer on left:1
		C on right:2		Fox on left:1
	M on left:2	boat is on the right.		Grain on left:1
	C on left:2		Farmer on left:1	Chicken on left:0
	M on right:1		Fox on left:1	Farmer on right:0
	C on right:1	M on left:3	Grain on left:1	Fox on right:0
	boat is on the left.	C on left:1	Chicken on left:0	Grain on right:0
		M on right:0	Farmer on right:0	Chicken on right:1
	M on left:1	C on right:2	Fox on right:0	boat is on the left.
	C on left:1	boat is on the left.	Grain on right:0	
	M on right:2		Chicken on	
	C on right:2		right:1	Farmer on left:0

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boat is on the right.	M on left:0	boat is on the left.	Fox on left:0
	C on left:1		Grain on left:1
M on left:3	M on right:3		Chicken on left:0
C on left:1	C on right:2	Farmer on left:0	Farmer on right:1
M on right:0	boat is on the right.	Fox on left:0	Fox on right:1
C on right:2		Grain on left:1	Grain on right:0
boat is on the left.		Chicken on left:0	Chicken on right:1
	M on left:1	Farmer on right:1	boat is on the right.
M on left:0	C on left:1	Fox on right:1	
C on left:1	M on right:2	Grain on right:0	
M on right:3	C on right:2	Chicken on	Farmer on left:1
C on right:2	boat is on the left.	right:1	Fox on left:0
boat is on the right.		boat is on the	Grain on left:1
		right.	Chicken on left:1
M on left:1	M on left:0		Farmer on right:0
C on left:1	C on left:0		Fox on right:1
M on right:2	M on right:3	Farmer on left:1	Grain on right:0
C on right:2	C on right:3	Fox on left:0	Chicken on right:0
boat is on the left.	boat is on the right.	Grain on left:1	boat is on the left.
		Chicken on left:1	
M on left:0		Farmer on right:0	
C on left:0		Fox on right:1	Farmer on left:0
M on right:3		Grain on right:0	Fox on left:0
C on right:3		Chicken on	Grain on left:0
boat is on the right.		right:0	Chicken on left:1
		boat is on the left.	Farmer on right:1
			Fox on right:1
			Grain on right:1
		Farmer on left:0	Chicken on right:0
		Fox on left:0	boat is on the right.
		Grain on left:0	
		Chicken on left:1	
		Farmer on right:1	Farmer on left:1
		Fox on right:1	Fox on left:0
		Grain on right:1	Grain on left:0
		Chicken on	Chicken on left:1
		right:0	Farmer on right:0

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			right.  Farmer on left:1  Fox on left:0  Grain on left:0  Chicken on left:1	Grain on right:1 Chicken on right:0 boat is on the left. Farmer on left:0
			Fox on left:0 Grain on left:0 Chicken on left:1	boat is on the left.  Farmer on left:0
			Fox on left:0 Grain on left:0 Chicken on left:1	Farmer on left:0
			Fox on left:0 Grain on left:0 Chicken on left:1	
			Grain on left:0 Chicken on left:1	
			Chicken on left:1	
				Fox on left:0
			Farmer on right:0	Grain on left:0
l I			Fox on right:1	Chicken on left:0
			Grain on right:1	Farmer on right:1
			Chicken on	Fox on right:1
			right:0	Grain on right:1
			boat is on the left.	Chicken on right:1
				boat is on the right.
				1
			Farmer on left:0	1
			Fox on left:0	1
			Grain on left:0	1
			Chicken on left:0	1
			Farmer on right:1	1
			Fox on right:1	1
			Grain on right:1	1
			Chicken on	1
			right:1	1
			boat is on the	1
			right.	
Nodes	10	10	7	Ç
Path Length	9	7	7	7

Feature	by Hung Lo 12FS+Hanet, tower 4disks UWNetID: honkuro	BFS+Hanai_tower
	Student number: 1926128	
	[[4, 3, 2, 1],[],[]]	
	իչ sign ment շրյո CSE 415,	Autumn 2019.
	[[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]]	
Path	[[],[3, 2],[4, 1]]	
i dii	[[2],[3],[4,1]]	
	[[2, 1],[3],[4]]	Solution path:
	[[2],[3, 1],[4]]	[[4, 3, 2, 1],[],[]]
	[[],[3, 1],[4, 2]]	[[4, 3, 2],[1],[]]
	[[1],[3],[4, 2]]	[[4, 3],[1],[2]]
	[[],[3],[4, 2, 1]]	[[4, 3],[],[2, 1]]
	[[3],[],[4, 2, 1]]	[[4],[3],[2, 1]]
	[[3, 1],[],[4, 2]]	[[4, 1],[3],[2]]
	[[3],[1],[4, 2]]	[[4, 1],[3, 2],[]]
	[[3, 2],[1],[4]]	[[4],[3, 2, 1],[]]
	[[3, 2, 1],[],[4]]	[[],[3, 2, 1],[4]]
	[[3, 2],[],[4, 1]]	[[],[3, 2],[4, 1]]
	[[3],[2],[4,1]]	[[2],[3],[4, 1]]
	[[3, 1],[2],[4]]	[[2, 1],[3],[4]]
	[[3],[2, 1],[4]]	[[2, 1],[],[4, 3]]
	[[],[2, 1],[4, 3]]	[[2],[1],[4,3]]
	[[1],[2],[4,3]]	[[],[1],[4, 3, 2]]
	[[],[2],[4,3,1]]	[[],[],[4, 3, 2, 1]]

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MAX_OPEN_LENGTH = 7	
40 states expanded.	
found: 40 edges	
Length of solution path	
[[],[],[4,3,2,1]]	
[[1],[1],[4, 3, 2]]	
[[],[1],[4,3,2]]	
[[2, 1],[],[4, 3]] [[2],[1],[4, 3]]	
[[2],[],[4,3,1]]	