

Clouds And Sheep



Designed and made by Diniar Namdarian 2013; sleeve made by J. A. Storer.

(Laser cut plastic three layers, 3.75" x 6.75" x 3/8";

thickness are base 1/8", tray edge 1/8", pieces 1/8" back with 1/8" figures)

Problem 1: Exchange the clouds and sheep; here are every 7 steps of a 96 rectilinear steps, 114 straight-line steps solution (108 straight-line steps are also possible):

#0: A A B C 2 S 1 1 2 2 M 1 X X Y Z	#7: A A B 2 S Z 1 1 2 2 Y M 1 C X X	#14: A A 2 S Y Z 1 1 2 2 X X M 1 B C	#21: A A S Z X X 1 1 2 B M 1 2 2 Y C	#28: A A S B Z C 1 1 2 X X M 1 2 2 Y
#35: A A Z C X X 1 1 B 2 M 1 S 2 2 Y	#42: 1 1 A A X X M 1 B Z 2 Y S C 2 2	#49: 1 1 X X Y M 1 A A 2 S B C Z 2 2	#56: X X 2 Y 1 1 A A 2 2 M 1 S B C Z	#63: X X A A 1 1 B C 2 Y M 1 S Z 2 2
#70: X X C Z 1 1 B 2 A A M 1 S 2 2 Y	#77: X X S B C 1 1 2 A A M 1 2 2 Y Z	#84: X X 2 S B C 1 1 2 2 A A M 1 Y Z	#91: X X Y 2 S C 1 1 Z 2 2 B M 1 A A	#96: X X Y Z 2 S 1 1 2 2 M 1 A A B C

Problem 2: Also exchange the rabbit and the sun; here are every 9 steps of a 113 rectilinear steps, 131 straight-line steps solution (130 straight-line steps are also possible):

#0: A A B C 2 S 1 1 2 2 M 1 X X Y Z	#9: A A 2 S Z 1 1 2 2 Y M 1 C B X X	#18: A A S Y Z 1 1 2 X X M 1 2 2 C B	#27: A A Z B 1 1 Y 2 X X M 1 S 2 2 C	#36: 1 1 A A X X M 1 Y Z 2 C S B 2 2
#45: 1 1 Y A A M 1 2 X X S B Z 2 2 C	#54: 1 1 A A X X S 1 Y 2 C B M Z 2 2	#63: 1 1 X X 2 C S 1 A A 2 2 B M Z Y	#72: X X A A C 1 1 M Z 2 S 1 B Y 2 2	#81: X X M Z 1 1 Y 2 A A S 1 B 2 2 C
#90: X X B Y 1 1 2 A A M S 1 2 2 C Z	#99: X X A A 1 1 C 2 M Y S 1 B 2 2 Z	#108: X X Y Z 1 1 A A 2 M S 1 B C 2 2	#113: X X Y Z 2 M 1 1 2 2 S 1 A A B C	