

2, Eight Puzzle

2	5	
1	4	8
7	3	6

1	2	3
4	5	6
7	8	

 $\hat{=}$

$c_2 = 750148736$

$$h_1(s) = 1 + 1 + 2 + 1 + 1 + 2 + 0 + 3 + 1 = 12$$

$$S_{(n)} = 758140736 \Rightarrow h(s_i) = 12$$

$$S_{(2)} = 205148736 \Rightarrow |s_2| = 16$$

$$S_3 = 258146730 \Rightarrow h(s_3) = 10$$

$$S_4^{(4)} = 258104736 \Rightarrow h(s_4) = 14$$

$$S_B = 258 \ 146 \ 703 \Rightarrow h(s_c) = 10$$

$$S_{(1)} = 258 \quad 146 \quad 073 \Rightarrow h(s_k) = 12$$

$$c \dots - 7 \dot{8} \quad 106 \quad 7 \dot{9} 3 \Rightarrow h(s_2) = 11$$

$$S_{(1)} = 258046173 \Rightarrow h_{(7)} = 14$$

$$S_4 = 258016768 \Rightarrow h_3 = 13$$

$$S_{(10)} = 20^7 9^1 13^4 6^4 3^4 \Rightarrow h_{10} = 12$$

$$S_{(M)} = 259 \text{ } ^4 160 \text{ } ^4 763 \Rightarrow h_M = 11$$

