

Fundamentals of Artificial Intelligence

- Section 2 Question 2
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1. Consider the graph with 8 nodes $A_1, A_2, A_3, A_4, H, T, F_1, F_2$. A_i is connected to A_{i+1} for all i , each A_i is connected to H , H is connected to T , and T is connected to each F_i . Find a 3-coloring of this graph by hand using the following strategy: backtracking with conflict-directed backjumping, the variable order $A_1, H, A_4, F_1, A_2, F_2, A_3, T$, and the value order R, G, B .

































