

MTH 4320 Homework 4

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Problem 1

solution. The edges of the breadth-first search (BFS) tree of the graph G starting from root g are $e_1 = \{g, b\}, e_2 = \{g, i\}, e_3 = \{g, j\}, e_4 = \{b, a\}, e_5 = \{b, c\}, e_6 = \{i, d\}, e_7 = \{i, f\}, e_8 = \{j, e\}, e_9 = \{j, h\}$ in the order from first to last respectively, that which was to be demonstrated. ■