1.

1. Proposition:

2. Proposition: the shortest route in a road network between two points is one with the fewest turns.

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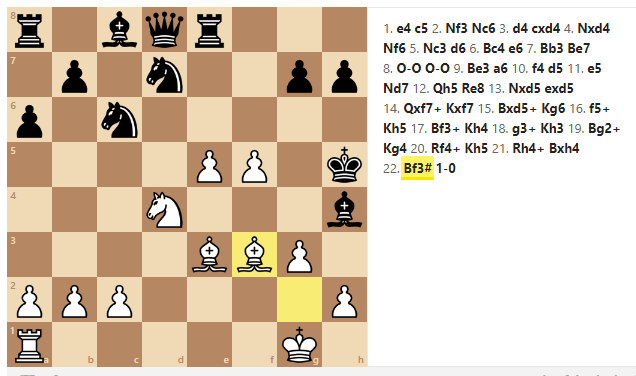
a─────┘└c────b

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└─┘└┘└─d─┘└──┘

The route −−→adb→ has 14 turns and a distance of 23, while the route −→acb→ has 4 turns but a distance of 25.

3. Proposition: being up by a queen in a game of chess guarantees a win!



Sort “InsertionSort” with Insertion sort: j and key and i

2

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I < N

3

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| I | N | S | E | R | T | I | O | N | S | O | R | T |

N < S

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| I | N | S | E | R | T | I | O | N | S | O | R | T |

E < S

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| I | N | S | S | R | T | I | O | N | S | O | R | T |

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| E | I | N | R | S | T | I | O | N | S | O | R | T |

S < T

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END:

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