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CSCE686 – Dr. Lamont

Homework 5

1. A)

B)

C) The set covering problem is NP-Complete, but the greedy algorithm provides approximation in polynomial time. The AFIT SCP Solver uses a similar, greedy approach that also approximates in polynomial time.

1. A)

B)

C)

1. A)
2. A)

**References:**

[1] Akhter, F. (n.d.). *A Heuristic Approach for Minimum Set Cover Problem*. Retrieved from www.ijarai.thesai.org