**The Theory of Computation**
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Addison-Wesley-Longman, 1998

*Solution Manual*
*Chapter 7, Additional Problem 17*

Membership in NP is clear. NP-completeness is easily shown by restriction to *Partition*, by considering only instances where length and weight functions are equal, where the sum of all weights is even where all tasks have the same deadline, and where said deadline is equal to the bound $K$ and equal to half the sum of all weights.