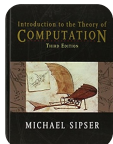


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ISBN: 9781133187790

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Passo 1

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Using the same idea as in the **Problem 5.5**, if we have $A \leq_m \bar{A}$ then it implies $\bar{A} \leq_m \bar{\bar{A}}$ which means $\bar{A} \leq_m A$.

Now since A is Turing-recognizable, **Theorem 5.28** implies that \bar{A} must be Turing-recognizable as well.

Since we have A and \bar{A} being Turing-recognizable, A must be decidable.

Resultado

2 de 2

Use the fact that if $A \leq_m B$, then $\bar{A} \leq_m \bar{B}$.

Avaliar esta solução[< Exercício 6](#)[Exercício 8 >](#)