几亘 Quiz: Sections 4.4, 4.5
R. Hammack
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1. Find all real numbers $t$ for which the set $S=\{(t, 1,1),(1, t, 1),(1,1, t)\}$ is linearly independent.
2. Decide if the set $S=\{(1,0,0,1),(0,2,0,2)),(1,0,1,0),(0,2,2,0)\}$ is a basis for $\mathbb{R}^{4}$. Explain your reasoning.
