Security

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Exercise 1. Prove that the 2-category **MULTICAT** is powered. I am content if you can construct the power multicategory $E \pitchfork M$ and the necessary functor $E \to M_{\mathbf{MULTICAT}}(E \pitchfork M, M)$ and show that any multicategory D with a functor $E \to M_{\mathbf{MULTICAT}}(D, M)$ has a 1-cell from D to $E \pitchfork M$. The remaining requirements need to hold but do not need to be proved.