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