

Magic elfquations



Magic elfquations can transform one type of Christmas decoration into another. The magical transformations are denoted by M. The decoration that the transformation is applied to is put inside brackets and the decoration that the transformation produces is put on the right after an equals sign. Six magical transformations are shown in the table below.

ELFQUATION TABLE

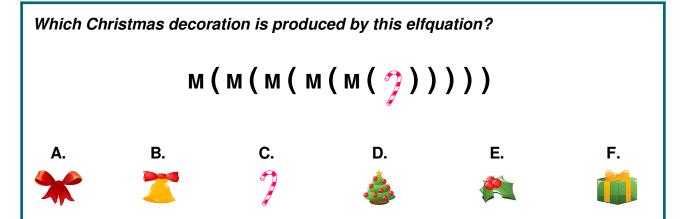
M () =	M () =
M () = 7	M () =
M () =	M () =

For example, the magical transformation can be applied to a to produce a .



Transformations can be composed: since we know M (\ref{M}) = \ref{M} , we can write this

QUESTION



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