Write a quantified formula for the proposition
Every class meets at least twice a week.
Use the relation $M(c, d)$ to represent "class $c$ meets on day $d$ ". You may also use equality.
Solution: For a givin class $c$, the proposition posits the existence of two distinct days $d$ and $d^{\prime}$ such that $c$ meets on both $d$ and $d^{\prime}$. We can write this as

$$
\left.\forall c \exists d, d^{\prime}: M(c, d) \text { AND } M\left(c, d^{\prime}\right) \text { AND (NOT } d=d^{\prime}\right) .
$$

