

CAR[ **G** ]

model : **G**

year : INTEGER

odometer : INTEGER

update\_odometer( $U$  : INTEGER)

**require**  $U > 0$

**ensure**  $\text{odometer} = \text{old odometer} + U$

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**invariant**

$\text{odometer} \geq 0$

$\text{year} \geq 1900$