







*BirthdayBook*

$known : \mathbb{P} NAME$

$birthday : NAME \leftrightarrow DATE$

$known = \text{dom } birthday$

*AddBirthday*

$\Delta BirthdayBook$

$name? : NAME$

$date? : DATE$

$name? \notin known$

$birthday' = birthday \cup \{name? \mapsto date?\}$