Question 3

Suppose we want to create a data definition to represent dinner reservations at a pop up restaurant. At this restaurant people simply reserve a place for themselves - they are seated with whoever is in line with them when they show up.

A person can either reserve a spot for one of the 100 spaces available each evening, or they can be placed on the standby list which doesn't guarantee them a seat. Here are the types comment and interpretation:

```
;; Reservation is one of:
;;  - Natural[1, 100]
;;  - "standby"
;; interp.
;;    Natural[1, 100] means a guaranteed seat for dinner where the number
;;                    corresponds to which reservation (not which seat).
;;    "standby"       means a standby spot, if all the reservations show
;;                    up this person will not be seated.
```

Question 3

1 point possible (graded)
What is the minimum number of data examples needed to illustrate this data definition? [Enter a number]

2

Answer: 2

2

Explanation
We need at least 1 example that represents `Natural[1, 100]`, and 1 that represents `"standby"`.

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