Exercise 1

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Exercise 1

1/1 point (graded)

ESTIMATED TIME TO COMPLETE: 4 minutes

Consider the following code specification:

```
def size(aSet):
   """
   aSet is a collection of objects, which might be empty.
   Objects are assumed to be of the same type.
   """
```

Here is a set of possible test cases to include in a black box test suite. Indicate which of the following conditions would make a good black box test suite for the function `size` by clicking on the appropriate choice(s).

Review: Black Box Test Suites

Black-box testing is a method of software testing that tests the *functionality* of an application. Recall from the lecture that a way to think about black-box testing is to look at both:

- The possible paths through the specification.
- The possible boundary cases.

Undoubtably many - if not all - of the listed tests look like they would be pretty good for testing the function `size`. However, we want you to think critically about the way `size` is specified - including possible boundary cases - and pick a set of tests that adequately and fully tests all paths and boundary conditions. Be sure the set of tests you pick does not have extraneous, useless, or repetitive tests.

- [x] Empty set
- [x] Set of size 1
- [ ] Set of odd size
- [ ] Set of even size
- [x] Set of size greater than 1
- [ ] Set whose size is a prime number

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