You are studying a two subspecies of beetles (species A and B). In your region, previous studies have shown that 82% of the individuals collected are the common species A. The beetles have two color patterns shown in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
|  | | Frequency in species A | Frequency in species B |
| Pattern 1 | /Users/hblackmon/Desktop/camintree.jpg | .95 | .65 |
| Pattern 2 | /Users/hblackmon/Desktop/camintree1.jpg | .05 | .35 |

1. How many pattern 2 individuals do you need to collect to have a greater than 90% chance of sampling at least one species B.