Question 10.13.1.22 The probability of getting a bad egg in a lot of 400 is 0.035. The number of bad eggs in the lot is
**Solution:**

| parameters | values | description |
|---|---|---|
| X | 1 | good eggs |
|  | 0 | bad eggs |

TABLE I
RANDOM VARIABLE

$$\Pr(X) = \begin{cases} 0.965, & X = 1 \\ 0.035, & X = 0 \end{cases}$$

Given:
S = 400
$\Pr(X = 0) = 0.035$
$(X = 0) = \Pr(X = 0) \times S$
bad eggs= 14