

## Raisonnement mathématique

### Question 11

Si  $\left(1 - \frac{1}{100}\right)^n \leq \frac{1}{2}$  alors :

| Affirmation                                                           | VRAI                     | FAUX                     |
|-----------------------------------------------------------------------|--------------------------|--------------------------|
| <b>A.</b> $n \leq \ln \left( \frac{0,5}{1 - \frac{1}{100}} \right)$ . | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>B.</b> $n \geq -\frac{\ln 2}{\ln(99) - \ln(100)}$ .                | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>C.</b> $n \geq \frac{\ln(0,5)}{\ln(0,99)}$ .                       | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>D.</b> $n \leq \ln(0,5 - 100)$ .                                   | <input type="checkbox"/> | <input type="checkbox"/> |