



E1 Rdt en  $N_2 = \frac{n_{\text{obtenu}}}{n_{\text{max}}} \times 100 = \frac{0,18}{0,47} \times 100 = 38,3\%$

$$2NO_2 \rightleftharpoons 2N_2 + O_2$$

|                  |                  |     |
|------------------|------------------|-----|
| $0,47$           | $0$              | $0$ |
| $-2 \cdot 0,235$ | $+2 \cdot 0,235$ | $0$ |
| $0$              | $0,47$           | $0$ |

E2 Rdt en  $SO_3 = \frac{n_{\text{obtenu}}}{n_{\text{max}}} \times 100 = \frac{0,18}{0,47} \times 100 = 38,3\%$

$$2SO_2 + O_2 \rightleftharpoons 2SO_3$$

|                  |                  |                  |
|------------------|------------------|------------------|
| $0,47$           | $0,26$           | $0$              |
| $-2 \cdot 0,235$ | $-1 \cdot 0,235$ | $+2 \cdot 0,235$ |
| $0$              | $0,025$          | $0$              |

E3 Rdt en  $N_2O = \frac{n_{\text{obtenu}}}{n_{\text{max}}} \times 100 = \frac{0,34}{0,44} \times 100 = 77,3\%$

$$2N_2 + O_2 \rightleftharpoons 2N_2O$$

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| $0,44$          | $0,38$          | $0$             |
| $-2 \cdot 0,22$ | $-1 \cdot 0,22$ | $+2 \cdot 0,22$ |
| $0$             | $0,16$          | $0,44$          |