

```
int temps = 800;
```

```
int A[] = {  
  index 0 1 2 3 4  
  4, 5, 8, 2, 1};
```

```
loop() {
```

```
  A[3]
```

```
}
```

1 octet

8 bits

$$2^8 = 256$$

$$\left\{ \begin{array}{ll} 0000 & 0000 \rightarrow 0 \\ 1001 & 0011 \\ 1111 & 1111 \rightarrow 255 \end{array} \right.$$

int entier stocké 2 octets

2/3

16 bits

$$2^{16} = 65536$$

double = 4 octets = 32 bits

$$2^{32} \approx 4,294 \cdot 10^9 \text{ ms}$$

$$1 \text{ jours} = 24 \times 60 \times 60 \times 1000 \text{ ms} \approx 86,4 \cdot 10^6 \text{ ms}$$

$$\text{done } \frac{4,294 \cdot 10^9}{86,4 \cdot 10^6} \approx 49,7 \text{ j}$$



3/3

```
void loop() {  
  delta_t = 0;  
  t_init = micros();  
  for (int i = 0; i < 20; i = i + 1) {  
    t_init = micros();  
    t_fin = micros();  
    delta_t = delta_t + t_fin - t_init;  
  }  
  float moy = delta_t / 20.0;  
  Serial.print(moy);  
  Serial.println(" µs");  
  delay(1000);  
}
```

Formatage automatique terminé.

