```
1  function sequencial(V,n, c)
2      V[0] = c;
3      i = n;
4      while V[i] != c:
5          i= i - 1;
6      return i;
```

	# instruções	vezes
1	$\perp$	$\perp$
2	$\perp$	$\perp$
3	$\perp$	$t_i + \perp$
4	$\perp$	t_i
5	$\perp$	$\perp$

$$T(n) = 3 + (t_i + \perp) + t_i$$

$$T(n) = 4 + 2t_i$$

Melhor caso:

$$t_i = 0$$

$$T(n) = 4 + 2.0$$

$$T(n) = 4$$

Pior caso:

$$t_i = n$$

$$T(n) = 4 + 2.n$$

Caso médio:

$$T(n) = 4 + 2 \cdot \sum_{i=0}^{n} \frac{i}{n}$$

$$T(n) = 4 + \frac{2}{n} \cdot \sum_{i=0}^{n} i$$

$$T(n) = 4 + \frac{2}{n} \left(\frac{n^2+n}{2} \right)$$

$$T(n) = 4 + \frac{2}{n} \cdot \frac{\perp}{2} \cdot (n^2+n)$$

$$T(n) = 4 + \frac{n^2+n}{n}$$

$$T(n) = 4 + n + \perp$$

$$T(n) = n + 5$$