RADIX SORT

V = 104, 107, 114, 89, 134, 34, 77, 204, 99,

COUNTINGSORT UNIDADES (divisor $10^0 = 1$)

	0	1	2	3	4	5	6	7	8	9
C =	0	0	0	0	5	0	0	2	0	2

V = 104 114 134 34 204 107 77 89 99

COUNTINGSORT DEZENAS (divisor $10^1 = 10$)

	0	1	2	3	4	5	6	7	8	9
C =	3	1	0	2	0	0	0	1	1	1

V = 104 204 107 114 134 034 077 089 099

COUNTINGSORT centenas (divisor $10^2 = 100$)

	0	1	2	3	4	5	6	7	8	9
C =	4	4	1	0	0	0	0	0	0	0

V = 034 077 089 099 104 107 114 134 204

$129_{10} = 100 + 20 + 9$ (2, 1, 0)

$= 1\times10^2 + 2\times10^1 + 9\times10^0$

$129 / 10 = 12 \quad 129 \,\%\, 10 = 9$

$12 = 1\times10^1 + 2\times10^0$

$12 / 10 = 1 \quad 12 \,\%\, 10 = 2$

$1 = 1\times10^0$

$1 / 10 = 0 \quad 1 \,\%\, 10 = 1$

$d(N, Pos) = (N / 10^{Pos}) \,\%\, 10$

$d(N, Pos, b) = (N / \underbrace{b^{Pos}}_{\text{divisor}}) \,\%\, b$

$\frac{X^a}{X^b} = X^{a-b}$

$a - b = 0$

$a = b$

$129_{10} = \frac{1\times10^2 + 2\times10^1 + 9\times10^0}{10^2}$

$= 1\times10^0 + 2\times10^{-1} + 9\times10^{-2}$

$129_{10} = \frac{1\times10^2 + 2\times10^1 + 9\times10^0}{10^1}$

$= 1\times10^1 + 2\times10^0 + 9\times10^{-1}$