

C2 TP3

Comparaison des décimales

$$\sqrt{2} \approx 1,4142135623731$$

n	a _n	b _n	x _n
0	1	2	2
1	1	1,5	1,5
2	1,25000000000000	1,50000000000000	1,41666666666667
3	1,37500000000000	1,50000000000000	1,4142156862745
4	1,37500000000000	1,43750000000000	1,4142135623747
5	1,40625000000000	1,43750000000000	1,4142135623731
6	1,40625000000000	1,42187500000000	1,4142135623731
7	1,41406250000000	1,42187500000000	1,4142135623731
8	1,41406250000000	1,41796875000000	1,4142135623731
9	1,41406250000000	1,41601562500000	1,4142135623731
10	1,41406250000000	1,41503906250000	1,4142135623731
11	1,41406250000000	1,41455078125000	1,4142135623731
12	1,41406250000000	1,41430664062500	1,4142135623731

$$\sqrt{2} \approx 1,4142135623731$$

n	a _n	b _n	x _n
13	1,4141845703125	1,4143066406250	1,4142135623731
14	1,4141845703125	1,4142456054688	1,4142135623731
15	1,4141845703125	1,4142150878906	1,4142135623731
16	1,4141998291016	1,4142150878906	1,4142135623731
17	1,4142074584961	1,4142150878906	1,4142135623731
18	1,4142112731934	1,4142150878906	1,4142135623731
19	1,4142131805420	1,4142150878906	1,4142135623731
20	1,4142131805420	1,4142141342163	1,4142135623731
21	1,4142131805420	1,4142136573792	1,4142135623731
22	1,4142134189606	1,4142136573792	1,4142135623731
23	1,4142135381699	1,4142136573792	1,4142135623731
24	1,4142135381699	1,4142135977745	1,4142135623731
25	1,4142135381699	1,4142135679722	1,4142135623731