19.5625 → IEEE 574 Doble Precision $\leftarrow$ 1 signo
11 exp.
52 mantisa

Entero: 19 ≡ 16+2+1 ≡ 10011

Decimal:

0.5625 × 2	1.125	1
0.125 × 2	0.25	0
0.25 × 2	0.5	0
0.5 × 2	1.0	1

0.5625 = 0.1001

Total: 10011, 1001 = $1.00111001 \cdot 2^4$

Sign bit: 0
$\underbrace{}_{1\,bit\,sign}$

Exponent: 1023 + 4 = 1027 =
= 1024 + 2 + 1 ≡ $\underbrace{10000000011}_{11\,bit\,Exp.}$

Mantissa: 00111001 $\overset{44\,0's}{\overbrace{0\ldots}}$

Sol. 0 10000000011 00111001 $\overset{44\,0s}{\overbrace{0\ldots}}$

Al. ②