Density of Martini Simulation

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Givens:

P = 1atm
T = 290K
$\rho_{water}(\text{1atm, 290K}) = 55.5 \ \frac{mol}{liter}$
1 Bead = 4 Water Molecules
Calculation:

$$\frac{beads}{nm^3} = 55.5 \frac{mol}{liter} \cdot 6.022 \cdot 10^{23} \frac{Molecules}{mol} \cdot \frac{1 Bead}{4 Molecules} \frac{10^{-22} Liters}{1 nm^3} = \boxed{8.36 \text{ beads}/nm^3}$$