C. I think node set 2 ts the best.

Because. My contenia is the error should not be too large node set 2

The error range of node set 2 is much smaller than node set 1

$$\begin{array}{lll}
D & W_{j} = \frac{1}{\prod_{i \neq j}^{n} (X_{j} - X_{i})} \\
& \text{wanf} & W_{j} = (-1)^{j} {n \choose j} = \frac{{n \choose 2}^{n} {n \choose 2}^{n-j}}{n!} {n \choose j} \\
& = \frac{n!}{j! (n-j)!} \\
& = \frac{{n \choose 2}^{n} {n \choose 2}^{n} {n \choose 2}^{n-j}}{n!} {n \choose 2}^{n-j} {n \choose 2}^{n-j} \\
& = \frac{{n \choose 2}^{n} {n \choose 2}^{n} {n \choose 2}^{n-j}}{{n \choose 2}^{n} {n \choose 2}^{n-j}} = {n \choose 2}^{n} {n \choose 2}^{n-j} {n \choose 2}^$$

 $= \left(\left(\frac{2j}{n} \right) \times \frac{2j-2}{n} \times \left(\frac{2j-2n}{n} \right) \right)^{-1}$

$$= (\frac{2^{n} j! (n-j)!}{n^{n} n!})^{-1}$$

$$= (\frac{2^{n} j! (n-j)!}{j! (n-j)!} = (\frac{2^{n} j^{n} (-1)^{n-j}}{n!})^{-1}$$

proved