پاسخ کوییز اول

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$$V = \pi R^{\Upsilon}h = xy^{\Upsilon}z = (\Upsilon/\backslash \Upsilon \Upsilon)(\cdot/\rho\rho V)^{\Upsilon}(\backslash/\Lambda \Upsilon\Upsilon) = \Upsilon/\Delta\rho\Upsilon$$

$$x = \pi = \Upsilon/\backslash\Upsilon\Upsilon \ , \ e_x \le \cdot/\cdot\cdot\cdot\Delta \ , \ y = R = \frac{\Upsilon}{\Upsilon} = \cdot/\rho\rho V \ , \ e_y \le \cdot/\cdot\cdot\cdot\Delta \ , \ z = \frac{\backslash\backslash}{\rho} = \backslash/\Lambda\Upsilon\Upsilon \ , \ e_z \le \cdot/\cdot\cdot\cdot\Delta$$

$$e_V = e_x(y^{\Upsilon}z) + e_y(\Upsilon xyz) + e_z(xy^{\Upsilon})$$

$$e_V \le (\cdot/\cdot\cdot\cdot\Delta)[(\cdot/\rho\rho V)^{\Upsilon}(\backslash/\Lambda\Upsilon\Upsilon) + \Upsilon(\Upsilon/\backslash\Upsilon\Upsilon)(\cdot/\rho\rho V)(\backslash/\Lambda\Upsilon\Upsilon) + (\Upsilon/\backslash\Upsilon\Upsilon)(\cdot/\rho\rho V)^{\Upsilon}]$$

$$e_V \le \cdot/\cdot\cdot\Upsilon\Delta \rightarrow e'_V \le \cdot/\cdot\cdot\Upsilon\Delta + \cdot/\cdot\cdot\cdot\Delta \rightarrow e'_V \le \cdot/\cdot\cdot\Delta\Upsilon\Delta < \cdot/\cdot\Delta$$

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دقت تقریب حجم برابر است با یک رقم اعشار

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$$f(x) = \sin(x)\sinh(x) + \backslash \rightarrow f'(x) = \cos(x)\sinh(x) + \sin(x)\cosh(x)$$

$$x_{n+\backslash} = x_n - \frac{f(x_n)}{f'(x_n)} = x_n - \frac{\sin(x)\sinh(x) + \backslash}{\cos(x)\sinh(x) + \sin(x)\cosh(x)} \ , \ x_{\cdot} = V \rightarrow x_{\backslash} = \rho/\Delta\Upsilon\Upsilon\backslash \rightarrow$$

$$x_{\Upsilon} = \rho/\Upsilon\Upsilon V\Upsilon \rightarrow x_{\Upsilon} = \rho/\Upsilon\Lambda\backslash\rho \rightarrow x_{\Upsilon} = \rho/\Upsilon V\Upsilon\Upsilon \rightarrow x_{\Delta} = \rho/\Upsilon V\Upsilon\Upsilon$$