

$$(a^N + b^N - N a b)^N (a^N + b^N + N a b)^N = (a^N + b^N - N a^N b^{\frac{N}{1+N}})^N = t (N - \sqrt{\mu})^N$$

$$\Rightarrow (\sqrt{4} - N + \sqrt{4} + N - (\sqrt{4-N} \sqrt{4+N}))^N = (N \sqrt{4-N})^N$$

$$= N^N + 1 - N \times N \sqrt{1-N} = N^N - 14 \sqrt{N} = 14 (N - \sqrt{N}) \Rightarrow t = 14$$

$$a = \sqrt{N - N \sqrt{N}} = \sqrt{(N - \sqrt{N})^2} = \sqrt{N - \sqrt{N}} = \sqrt{N - \sqrt{N}}$$

$$(a + \frac{1}{a} + \sqrt{N})^N (a + \frac{1}{a} - \sqrt{N})^N = (a^N + N + \frac{1}{a^N} - N)^N = (a^N + \frac{1}{a^N})^N = N^N$$

$$= a^N + \frac{1}{a^N} + N = N + N - N \sqrt{N} + \frac{1}{N - \sqrt{N}} = N + N - N \sqrt{N} + \frac{N + \sqrt{N}}{N - \sqrt{N}} = N + N - N \sqrt{N} + \frac{N + \sqrt{N}}{N - \sqrt{N}}$$

$$14 = N^N \Rightarrow t = N$$

$$A = \sqrt[N]{N \sqrt{14}} \left(\frac{1}{N}\right)^{-\frac{N}{N}} = \sqrt[N]{N \sqrt{14}} \times N^{\frac{1}{N}} = N^{\frac{1}{N}} \times N^{\frac{1}{N}} = N^{\frac{2}{N}} = N^{\frac{1}{N}}$$

$$(NA)^{-\frac{1}{N}} = \left(\left(N \times N^{\frac{1}{N}}\right)^{\frac{1}{N}}\right)^{-1} = N^{-\frac{1}{N}} = \frac{1}{N}$$

$$\sqrt{a} = a^{\frac{1}{2}} = N^{\frac{1}{N}} \times a^{\frac{1}{2}}$$

$$\Rightarrow a^{\frac{1}{2}} = N^{\frac{1}{N}} \times a^{\frac{1}{2}}$$

$$\Rightarrow \frac{a^{\frac{1}{2}}}{a^{\frac{1}{2}}} = N^{\frac{1}{N}} \Rightarrow a^{-\frac{1}{N}} = N^{\frac{1}{N}}$$

$$\Rightarrow a^{-N} = N^N \Rightarrow (a^{-N})^{-\frac{1}{N}} = (N^N)^{-\frac{1}{N}} \Rightarrow (a^{-N})^{\frac{1}{N}} = (N^N)^{\frac{1}{N}}$$

$$\Rightarrow \frac{1}{a} - N = N \sqrt{N} - N = N(\sqrt{N} - 1)$$

$$\Rightarrow a = N^{-\frac{N}{N}} = \frac{1}{N}$$

$$\frac{N(\sqrt{N} - 1)}{1 + \sqrt{N}} = \frac{N(N - N \sqrt{N})}{N} = N - N \sqrt{N}$$

جواب سوال (P)

$$\sqrt{n+a} - \sqrt{n-r} = N$$

$$\Rightarrow \sqrt{n+a} + \sqrt{n-r} = \frac{a}{N} + N$$

$$\Rightarrow N \sqrt{n-r} = \frac{a}{N} \Rightarrow \sqrt{n-r} = \frac{a}{N^2}$$

$$\Rightarrow \sqrt{n+a} = \frac{a}{N^2} + N$$

$$\Rightarrow \sqrt{n+a} = 1+a$$

Subject :

10 سوال

Day : Month : Year :

$$\sqrt[n]{m+a} = 1+a \Rightarrow 1^N m + 1^N a = 1^N + 1^N a + m^N$$

$$a = \sqrt[n]{m-1} \Rightarrow a^N = 1^N m - 1^N$$

معادله بی نهایت جواب دارد
 $1^N m + 1^N a = 1^N + 1^N a + 1^N m - 1^N$
 a به ازای هر عدد صحیح درست است

جواب نهایی همان

$$\frac{a}{n} + 1 - 1 = \left(\frac{a}{n} \right)$$