

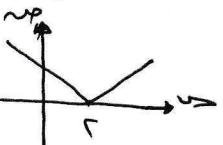
$$\begin{array}{c} \text{از اکانه و } \gamma = m_1 + n_1 \\ \text{با ختم اجمالی} \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|} \hline 1 & 0 & 1 & 9 & 0 & 0 \\ \hline 3 & 0 & 3 & 9 & 0 & 0 \\ \hline \end{array} \quad \begin{array}{|c|c|c|c|c|c|} \hline 0 & 0 & 1 & 0 & 1 & 0 \\ \hline 4 & 0 & 4 & 0 & 4 & 0 \\ \hline \end{array}$$

$$\begin{array}{l} \text{من فہل الجمل} \\ \Sigma = \frac{\text{نهايہ}}{\text{نهايہ}} / \Sigma = \frac{\text{نهايہ}}{\text{نهايہ}} + \Sigma \\ \Sigma = \frac{\text{نهايہ}}{\text{نهايہ}} \leftarrow \text{دو جو مساوی} \end{array}$$

$$\begin{array}{c} 1 - v - 1 = m_1 + n_1 \\ \text{از اکانه و } \end{array}$$

$$\text{میں اسی طبقہ کے اچھے نہیں} \quad 1 - v - 1 = \text{و مطابق} / \text{کم اچھے نہیں}$$



$$\begin{array}{|c|c|c|c|c|c|} \hline 1 & . & 1 & 1 & 1 & v \\ \hline \end{array}$$

نهايہ (v) = مخف

$$\begin{array}{c} 1 \neq v, \frac{1-v}{1-v} \\ 1 = v, \quad \end{array} \quad \begin{array}{c} \text{از اکانه و } \end{array}$$

$$\begin{array}{c} v = 1 \\ \frac{1-v}{1-v} \end{array} \quad \begin{array}{c} \text{نهايہ} \\ \text{نهايہ} \end{array}$$

$$\begin{array}{c} 1 < v, \frac{1-v}{1-v} \\ 1 > v, \frac{1-v}{1-v} \\ 1 = v, \quad \end{array} \quad \begin{array}{c} \text{نهايہ} \\ \text{نهايہ} \end{array}$$

$$\begin{array}{c} 1 - v \quad \frac{1-v}{1-v} / \quad 1 = \frac{1-v}{1-v} \\ \text{نهايہ} \end{array}$$

$$\begin{array}{c} [1, \infty] \cup [1 + v, \infty] \\ \text{و } v \in [1 + v, \infty] \end{array}$$

$$v = \frac{1}{\frac{1}{P}} = P \quad \text{تعیین التعریف}$$

$$\begin{array}{c} v > u \geq 1 \quad v \\ v > u \geq 1 \quad v \\ 1 \geq v \geq 1 \quad v \end{array}$$

$$v = \frac{1}{m_1 + n_1} / \quad v = m_1 + n_1$$

$$v = \frac{1}{m_1 + n_1} / \quad v = m_1 + n_1$$

$$v = m_1 + n_1 / \quad v = m_1 + n_1$$

$$\begin{array}{c} \gamma = 1 \times 0 + 1 = m_0 + n_0 \\ \text{لیکن} \end{array}$$

$$\begin{array}{c} v = 1 + 1 - \quad v + n_0 \\ \text{لیکن} \end{array}$$

$$\begin{array}{c} v = \sqrt{v} = v + m_0 \\ \text{لیکن} \end{array}$$

$$\begin{array}{c} \gamma > v, m_0 + n_0 = (v) \gamma \\ \gamma < v, m_0 + n_0 \end{array}$$

اچھے نہیں یا بے (نہیں)۔

$$\begin{array}{c} \gamma > v, m_0 + n_0 = (v) \gamma \\ \gamma < v, m_0 + n_0 = (v) \gamma \end{array}$$

$$\begin{array}{c} \gamma = m_0 + n_0 \times 0 = (v) \gamma \\ \text{لیکن} \end{array}$$

$$\begin{array}{c} \gamma = 1 \times 3 + 1 \times 1 = m_0 + n_0 \\ 13 = v + \sqrt{v} \quad \text{لیکن} \\ + v + v \\ \text{لیکن} \end{array}$$

$$\begin{array}{c} \gamma = 1 \times 3 + 1 \times 1 = m_0 + n_0 \\ 13 = v + \sqrt{v} \quad \text{لیکن} \\ + v + v \\ \text{لیکن} \end{array}$$

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$$\begin{array}{c} \gamma > v, m_0 + n_0 = (v) \gamma \\ \gamma > v, 10 + v = (v) \gamma \\ \gamma > v, v + v = (v) \gamma \end{array}$$

$$\begin{array}{c} \gamma > v, m_0 + n_0 = (v) \gamma \\ \gamma > v, 10 + v = (v) \gamma \\ \gamma > v, v + v = (v) \gamma \end{array}$$

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$$\begin{array}{c} \gamma > v, m_0 + n_0 = (v) \gamma \\ \gamma > v, 10 + v = (v) \gamma \\ \gamma > v, v + v = (v) \gamma \end{array}$$

$$\begin{aligned} r + \frac{\epsilon}{r-p} &= p + [r] \quad | \times r \\ \boxed{1 = p} \leftarrow \quad 1 &= p + \frac{+pr}{r-p} \end{aligned}$$

$$\begin{aligned} p > r &\Rightarrow [1+r] \quad |^2 = pr \quad | \times r \\ p < r &\Rightarrow [r] - 1 \end{aligned}$$

$p = \frac{1+r}{r}$ دالة معكوسه

$$\begin{aligned} p &= \frac{1+r}{r} \\ 1 + \frac{r}{r} &= \frac{1+r}{r} \\ 1 + \frac{1}{r} &= \frac{1+r}{r} \\ 1 + \frac{1}{r} &= \frac{1+r}{r} \end{aligned}$$

$$\begin{aligned} p &\neq p \\ [p] &= +[p] \\ [p] &= -[p] \\ [p] - 1 &= 1 + [p] \leftarrow \\ r, 0 &= \frac{1}{r} = [p] \cancel{x} \end{aligned}$$

$$\begin{aligned} p &\text{ دالة متزايدة} \quad | \times = |r + pr| \quad | \times r \\ 1 = c + pr &\quad | \times = |r + pr| \\ 1 - p &= pr \quad | \times = |r + pr| \\ p - 1 &= 1 + -p \quad | \times = |r + pr| \\ p - 1 &= p \quad | \times = |r + pr| \\ \epsilon &= p \quad | \times = |r + pr| \end{aligned}$$

$$\begin{aligned} \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ p > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \end{aligned}$$

$$\begin{aligned} \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ p > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \end{aligned}$$

$$\begin{aligned} \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ p > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \end{aligned}$$

$$\begin{aligned} \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ \text{وهي} &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ 1 > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \\ p > r &\quad |1| = |r| \quad | \times = |r + pr| \quad | \times r \end{aligned}$$

$$\cdot \sqrt{r} \frac{1}{\sqrt{r}} = r^{-1/2} \quad | \times$$

$$\cdot \sqrt{r} \left[r + \frac{1}{r} \right] = r^{-1/2} \quad | \times$$

أحسب زراعة

نقطة تعرية

$\Rightarrow r = \left[r + \frac{1}{r} \right]$

$$\cdot \sqrt{r} \left[r - \frac{1}{r} \right] = r^{-1/2} \quad | \times$$

$$\cdot \sqrt{r} \left[r - \frac{1}{r} \right] = r^{-1/2} \quad | \times$$

$$\cdot \sqrt{r} \left[r - \frac{1}{r} \right] = r^{-1/2} \quad | \times$$

$$r = [r] = \left[0 + \frac{1}{2} \right] \quad | \times r$$

$$r = [r] = \left[\frac{1}{2} - 0 \right] \quad | \times r$$

$$r = [r] = (1 + r) \quad | \times r$$

$$\cdot \sqrt{r} \text{ نصف قطر} \quad | \times$$

$$\cdot \sqrt{r} \text{ نصف قطر} \quad | \times$$

$$r = [r] = (1 + r) \quad | \times r$$

$$\cdot \sqrt{r} \text{ نصف قطر} \quad | \times$$

$$r = [r] = (1 + r) \quad | \times r$$

$$r = [r] : \frac{1}{2} \quad | \times r$$

$$r = [r] \quad | \times r$$

مختصر المهمات (لما يكفي) □

مختصر المهمات (لما يكفي) ①

$\{r \cdot r\} = P$

$P = \sqrt{v^2 + r^2}$

$E = \epsilon + \omega r = \sqrt{q^2} + \epsilon \times q$

$r = \text{مسافة من المولى}$ مختصر المهمات ②

$(\infty, r) = P$

$(v=0) \wedge \epsilon = L_j$ مختصر المهمات ③

$-r \leftarrow up \quad v=0 \leftarrow +z \rightarrow$

$\sum = 7 \times \epsilon = (14)(\epsilon) = 14\epsilon =$

$$\text{ا) از اکنون زمان می‌گذرد} = \frac{\text{زمان هنر}}{\text{زمان کل}} \times 100\%$$

$$\frac{molar}{\mu - os} = \frac{molar}{q - s} \quad (1)$$

$$\frac{\mu + rs}{\mu - os} \times \frac{molar}{\mu - os} = \frac{molar}{\mu - rs}$$

$$\mu = r + o = \mu + rs \times \frac{molar}{q - s}$$

$$\frac{+ - +}{c - c} \quad \frac{\cancel{\Sigma - \bar{v}v}}{\cancel{c - \bar{v}v}} \quad \begin{matrix} L_i \\ B \end{matrix}$$

$$\begin{array}{l}
 \text{up} \Rightarrow P \quad P < v \Rightarrow \sigma + |v| \quad f = \infty \quad 10 \\
 \text{up} \Rightarrow r = P \quad P > v \Rightarrow \sigma [P + |v|] \\
 P + 1 - P = \sigma + P \quad \begin{array}{l} \text{up} \\ \text{up} \Rightarrow r = P \end{array} \quad P + [P] = \sigma + |P| \\
 P + 1 - P = \sigma + P - P \quad P + [P] = \sigma + |P| \\
 \text{up} \Rightarrow r = P \quad P + [P] = \sigma + |P|
 \end{array}$$

نخبیات النہایات

$$OC = \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} + (r\varepsilon) \frac{\sqrt{1 - \frac{r^2}{\varepsilon^2}}}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \text{اذا كانت سرعة الموجة} \\ \text{مقدارها} \quad \text{أكبر من} \quad \text{مقدار} \quad \text{الجاذبية}$$

مقدار الجاذبية : $\frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}}$

$$OC = \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} + (r\varepsilon) \frac{\sqrt{1 - \frac{r^2}{\varepsilon^2}}}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \text{إذا كانت سرعة الموجة} \\ \text{مقدارها} \quad \text{أقل من} \quad \text{مقدار} \quad \text{الجاذبية}$$

$$OC = \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} + (r\varepsilon) \frac{\sqrt{1 - \frac{r^2}{\varepsilon^2}}}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \text{إذا كانت سرعة الموجة} \\ \text{مقدارها} \quad \text{تساوي} \quad \text{مقدار} \quad \text{الجاذبية}$$

$$\frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} = (r\varepsilon) \frac{\sqrt{1 - \frac{r^2}{\varepsilon^2}}}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \text{إذا كانت سرعة الموجة} \\ \text{مقدارها} \quad \text{تساوي} \quad \text{مقدار} \quad \text{الجاذبية}$$

$$\frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} = (r\varepsilon) \frac{\sqrt{1 - \frac{r^2}{\varepsilon^2}}}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \text{إذا كانت سرعة الموجة} \\ \text{مقدارها} \quad \text{تساوي} \quad \text{مقدار} \quad \text{الجاذبية}$$

$$\gamma = \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} + \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \leftarrow$$

$$\gamma = \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} + \frac{r\varepsilon}{\sqrt{1 + (\varepsilon^2 - r^2)}} \quad \leftarrow$$

$$\begin{aligned} & \text{مثال (ii): دلایل خاصی} \\ & 10^\circ = \min_{\text{out}} \text{Lis} \quad \text{دلایل خاصی} \\ & \left([V + \frac{\epsilon}{\tau}] + \min_{\text{out}} \text{Lis} \right) \\ & \frac{10^\circ - \min_{\text{out}} \text{Lis}}{\tau} \leq 10^\circ = \min_{\text{out}} \text{Lis} \quad \text{دلایل خاصی} \\ & \gamma = \min_{\text{out}} \text{Lis} \quad \text{دلایل خاصی} \\ & \left[V + \frac{\epsilon}{\tau} \right] + \min_{\text{out}} \text{Lis} \leq \\ & \text{ام} = q + c\epsilon = \left[V + \frac{\epsilon}{\tau} \right] + \gamma \times \epsilon \end{aligned}$$

$$\begin{aligned} n &= (r) \text{ up } \leftarrow r = \frac{\text{total up}}{\text{total down}} \\ &\quad \text{اذا كان } \frac{\text{total up}}{\text{total down}} = 4 \text{ up } \leftarrow 4 \\ &\quad \text{then } r = 4 \text{ up } \leftarrow r = 4 \\ &\quad \text{and } r = 4 \text{ up } \leftarrow r = 4 \\ &\quad \text{so } r = 4 \text{ up } \leftarrow r = 4 \end{aligned}$$

الاستاذ
ايمان عباد

٠٧٩٩٣٦٦٦١١

الدورة الثالثة - الكرة

ائمة حضر

١ الحيل ⑥ الحزب باى افقه ⑦ نو ميدعكوح
٢ احنا دل المطروح

التحليل بائمه :-

$$\frac{1}{r} = \frac{1 - r^2}{1 + r^2} \text{ Lir} \quad ①$$

$$\frac{1}{r^2} = \frac{(1+r)(1-r)}{(1+r)^2} \text{ Lir} \quad ②$$

$$\frac{1}{r^3} = \frac{1 - r^3}{1 + r^3} \text{ Lir} \quad ③$$

$$\frac{1}{r^4} = \frac{1 - r^4}{1 + r^4} \text{ Lir} \quad ④$$

$$1 - r^2 = \frac{(1+r)(1-r)}{(1+r)^2} \text{ Lir}$$

$$\frac{1}{r^2} = \frac{1 - r^2}{1 + r^2} \text{ Lir} \quad ⑤$$

$$\frac{1}{r^3} = \frac{1 - r^3}{1 + r^3} \text{ Lir} \quad ⑥$$

$$\frac{1}{r^4} = \frac{1 - r^4}{1 + r^4} \text{ Lir} \quad ⑦$$

$$r = \frac{1}{1+r} = \frac{(1+r)(1-r)}{(1+r)^2} \text{ Lir}$$

$$\frac{1}{r} = \frac{1 - r}{1 + r} \text{ Lir} \quad ⑧$$

$$(1+r)(1-r) \text{ Lir} = \frac{(1-r)(1+r)}{1+r} \text{ Lir}$$

$$\frac{1}{r^2} = \frac{(1+r)(1-r)}{(1+r)^2} \text{ Lir} = \frac{(1+r)(1-r)}{(1+r)(1+r)} \text{ Lir}$$

$$\frac{1}{r^3} = \frac{1 - r^3}{1 + r^3} \text{ Lir} \quad ⑨$$

$$\frac{1}{r^4} = \frac{(1+r)(1-r)}{(1+r)^2} \text{ Lir} \quad ⑩$$

$$\div = \frac{20 - (1-r^2) \text{ Lir}}{1+r^2} \quad ⑪$$

$$\frac{(1+r)(1-r)}{1+r^2} \text{ Lir} =$$

$$\frac{(1+r)(1-r)}{1+r^2} \text{ Lir} = \frac{(1+r)(1-r)}{1+r^2} \text{ Lir} =$$

$$\div = \frac{2V - (1+r^2) \text{ Lir}}{1-r^2} \quad ⑫$$

$$\frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$\frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$\div = \frac{1 - r^2}{(1+r^2 - 1)} \text{ Lir} \quad ⑬$$

$$\frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} = \frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$1 - r^2 = \frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$r = \frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} = \frac{1 - r}{1 + r} \text{ Lir} \quad ⑭$$

$$\frac{1 - r^2}{1 + r^2} \text{ Lir} \quad ⑮$$

نهاية رسمه ينزل بـ ٠٦٠٦ على كمبيوتر

$$r = \frac{(1+r)(1-r)}{1+r^2} \text{ Lir} =$$

$$\frac{1 - r^2}{1 + r^2} \text{ Lir} \quad ⑯$$

نهاية أنت مجال ايجي - سواه على سند ٣

$$\frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} = \frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$\frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} = \frac{(1+r)(1-r)}{(1+r)(1-r)} \text{ Lir} =$$

$$\left| \frac{\sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$r = (c) = |v| \text{Lip}_{\text{con}} = \left| \frac{\sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$\left| \frac{\sqrt{c+v}}{r+v} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} & \cdot s \sqrt{c+v} \\ & \cdot s (c+v) \cdot r \\ & \boxed{r-v} \end{aligned}$$

$$\begin{aligned} & \cdot s \sqrt{c+v} \\ & \cdot s (c+v) \cdot r \\ & \boxed{r-v} \end{aligned}$$

$$r \cdot \text{Lip}_{\text{con}} = \left| \frac{\sqrt{c+v}}{r+v} \right| \text{Lip}_{\text{con}}$$

$$\frac{w}{r} = \frac{s}{r} \cdot s \sqrt{v}$$

$$\left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} & \text{①} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}} \quad \text{②} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}} \\ & \boxed{r \cdot \text{Lip}_{\text{con}}} \end{aligned}$$

$$\left| \frac{\sqrt{v} + \sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$\frac{(c-v)}{r-v} \left| \frac{\sqrt{v} + \sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} & \text{③} \left| \frac{\sqrt{v} - \sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}} \\ & \boxed{r \cdot \text{Lip}_{\text{con}}} \end{aligned}$$

$$\left| \frac{1 + \sqrt{c-v}}{1-v} \right| \text{Lip}_{\text{con}}$$

$$\frac{(1-v)}{1-v} \left| \frac{1 + \sqrt{c-v}}{1-v} \right| \text{Lip}_{\text{con}}$$

$$\boxed{1} \left| \frac{1-v}{1-v} \right| \text{Lip}_{\text{con}}$$

$$\boxed{v}$$

$$s \sqrt{v}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$1 - v - 1 - 3$$

$$\div = \frac{1 - v - \sqrt{v}}{v - \sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

نستخدم لعنة المركبة
بالعنة على $v - \sqrt{v}$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\frac{1}{\sqrt{v}} = \frac{(v + \sqrt{v} + \frac{1}{\sqrt{v}})(v - \sqrt{v})}{(v + \sqrt{v})(v - \sqrt{v})} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\frac{1 + \sqrt{v}}{v - \sqrt{v}} = \frac{v + \sqrt{v}}{v - \sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\sqrt{v} = \frac{v + \sqrt{v}}{v - \sqrt{v}} \left[\sqrt{v} = 1 + \frac{v}{\sqrt{v}} < v = \frac{v}{\sqrt{v}} \right] \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\div = \frac{v + \sqrt{v} - \sqrt{v}}{v - \sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\boxed{\frac{1}{\sqrt{v}}} = \frac{(v - \sqrt{v})(v + \sqrt{v})}{(v - \sqrt{v})v} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{\sqrt{v}} = \frac{1}{\sqrt{v}} + \sqrt{v} = \theta + \varphi \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

أنت أنت أنت

$$\frac{1}{\sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\boxed{\frac{1}{\sqrt{v}}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\frac{v}{\sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{\sqrt{v}} = \frac{\cancel{v}}{\cancel{\sqrt{v}}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\frac{1}{\sqrt{v}} \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ - \\ \rightarrow \\ - \\ \rightarrow \end{array}$$

$$\left| \frac{\sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$r = (c) = |v| \text{Lip}_{\text{con}} = \left| \frac{\sqrt{c-v}}{r-v} \right| \text{Lip}_{\text{con}}$$

$$\left| \frac{\sqrt{c+v}}{r+v} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} & \cdot s \sqrt{c+v} \\ & \cdot s (c+v) \cdot r \\ & \boxed{r-v} \end{aligned}$$

$$\begin{aligned} & \cdot s \sqrt{c+v} \\ & \cdot s (c+v) \cdot r \\ & \boxed{r-v} \end{aligned}$$

$$r \cdot \text{Lip}_{\text{con}} = \left| \frac{\sqrt{c+v}}{r+v} \right| \text{Lip}_{\text{con}}$$

$$\frac{w}{r} = \frac{s}{r} + \frac{v}{r}$$

$$\left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}}$$

$$\left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} \text{①} & \left| \frac{\sqrt{v}}{r} \right| \text{Lip}_{\text{con}} \quad \text{②} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}} \\ & \boxed{r \cdot \text{Lip}_{\text{con}}} \end{aligned}$$

$$\left| \frac{s + \sqrt{v} - v}{r - v} \right| \text{Lip}_{\text{con}}$$

$$\frac{(r-v)(s-v)}{(r-v)(c-v)} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{aligned} \text{③} & \left| \frac{v}{r} \right| \text{Lip}_{\text{con}} \quad \text{④} \left| \frac{v-r}{r-v} \right| \text{Lip}_{\text{con}} \\ & \boxed{r \cdot \text{Lip}_{\text{con}}} \end{aligned}$$

$$\left| \frac{1+r-c-v}{1-r-v} \right| \text{Lip}_{\text{con}}$$

$$\frac{(1-v)(1-w)}{(1-w)(1-v)} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\text{⑤} \left| \frac{(1-v)}{1-w} \right| \text{Lip}_{\text{con}}$$

$$\boxed{w}$$

$$s = v$$

$$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$$

$$\left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$s = \frac{v}{r} + \frac{w}{r}$$

$$\div = \frac{1 - v - c - v}{r - v} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

نستخدم لعنة المركبة
بالعنة على $r - v$

$$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$$

$$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$$

$$\frac{r}{\Sigma} = \frac{(s + \sqrt{v} - v)(r - v)}{(c + v)(c - v)} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$$

$$\frac{r + v - c - v}{r - v} = 0$$

$$(s + v - c - v) \left| \frac{v}{r} \right| \text{Lip}_{\text{con}} = 0$$

$$\boxed{v} = \frac{r - v}{r - v} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$v = r - v$$

$$\div = \frac{r + v - c - v}{r - v} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}} = \frac{2v}{r - v} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\boxed{\frac{1}{r}} = \frac{(c - v)(r - v)}{(r - v)^2} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{r} = \frac{1}{r} + v = 0 + v \left| \frac{v}{r} \right| \text{Lip}_{\text{con}} \Leftarrow$$

لذلك نطلب

$$\left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\rightarrow \frac{v}{r} = \frac{s}{r} + \frac{w}{r}$$

$$\boxed{\frac{v}{r}} = \frac{w}{r} + \frac{v}{r}$$

$$w = 0$$

$$\left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{r} = \frac{v}{r} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{r} = \frac{v}{r} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{v}{r} = \frac{v}{r} \left| \frac{v}{r} \right| \text{Lip}_{\text{con}}$$

$$\frac{1 - \sqrt{r} - 1 - r\sqrt{r}}{1 - r} \text{ لـ } [10]$$

$$\begin{aligned} & \frac{1 - \sqrt{r}}{1 - r} + \frac{1 - r\sqrt{r}}{1 - r} \\ & \frac{1 - \sqrt{r}}{1 - r} = 1 - \sqrt{r} \leftarrow 1 - r\sqrt{r} \\ & \frac{1 - \sqrt{r}}{1 - r} = 1 - \sqrt{r} \leftarrow 1 - r\sqrt{r} \end{aligned}$$

$$\frac{1 - \sqrt{r} - 1 - r\sqrt{r}}{1 - r} \text{ لـ } [1] \\ \boxed{1} = \frac{(r\sqrt{r})^2 \text{ لـ } [1]}{\sqrt{r} - r} = \frac{r^2 - r}{1 - r} \text{ لـ } [1]$$

$$P \text{ لـ } [1] = \frac{r - 1 + r\sqrt{r}}{1 - r} \text{ لـ } [1]$$

بيان التعرض بالكتاب من خارج سبط = مفر

$$r = p + 1 \leftarrow \text{مفر} = r - 1 + 1$$

$$\begin{cases} r = p + 1 \\ r = p + 1 : \text{لـ } 1 \end{cases}$$

$$\frac{r - 1 + r\sqrt{r}}{1 - r} \text{ لـ } [1] = \frac{1 + r\sqrt{r}}{1 - r} \text{ لـ } [1] \leftarrow 1 = p \text{ حالـ } 1$$

$$\cdot \text{ مفر} \times 1 = \frac{1 + r\sqrt{r}}{1 - r} \text{ لـ } [1]$$

$$\frac{r - r\sqrt{r}}{1 - r} \text{ لـ } [1] = \frac{r - (r\sqrt{r})}{1 - r} \text{ لـ } [1] \leftarrow r = p \text{ حالـ } 1$$

$$\cdot r - r\sqrt{r} \leftarrow \checkmark \quad 1 = \frac{r - 1}{1 - r} \text{ لـ } [1]$$

$$r - r\sqrt{r} = \frac{r - 1}{1 - r} \text{ لـ } [1] \quad \text{إذا كان } r \neq 1$$

$$r - r\sqrt{r} = \frac{r - 1}{1 - r} \text{ لـ } [1] \quad \text{إذا كان } r \neq 1$$

$$\frac{r - r\sqrt{r}}{1 - r} = 1 + r\sqrt{r} \text{ لـ } [1]$$

$$\frac{r - r\sqrt{r}}{1 - r} = 1 + r\sqrt{r} \text{ لـ } [1]$$

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$$r - r\sqrt{r} = 1 + r\sqrt{r} \text{ لـ } [1]$$

$$\frac{[r] - r}{1 - r} \text{ لـ } [1]$$

$$\frac{[r] - r}{1 - r} + 1 \text{ لـ } [1]$$

$$r > r \geq 1 \quad \left\{ \begin{array}{l} r - \frac{1}{r} \\ \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$\frac{r - \frac{1}{r}}{1 - \frac{1}{r}} \cdot \dots \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$\frac{(1+r)(1-r)}{(1+r)r} \text{ لـ } [1] = \frac{1 - r}{r - 1} \text{ لـ } [1] = \frac{[r] - r}{1 - r} \text{ لـ } [1]$$

$$\boxed{r} = \frac{r}{r} =$$

$$\frac{[r] - r}{1 - r} + r \text{ لـ } [1]$$

$$\cdot \dots \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$\left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$\cdot \frac{r - r}{r - r} \text{ لـ } [1] = \frac{[r] - r}{1 - r} + r \text{ لـ } [1]$$

$$\frac{[r] + r - r - r}{r - r} \text{ لـ } [1]$$

$$\cdot \dots \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$\left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right. \left. \begin{array}{l} \dots \\ 1 = 1 \end{array} \right.$$

$$(1 - r - 1 - r) \text{ لـ } [1] = \frac{r + r - r}{r - r} \text{ لـ } [1] =$$

$$\frac{r - r}{r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

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$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{1 - r - r}{1 - r - r} \text{ لـ } [1]$$

$$\frac{\frac{r}{\sqrt{r}} - \frac{1}{\sqrt{r+n}}}{|c-r|} \text{ Lir } \boxed{3}$$

$$\frac{r-n}{r} = \frac{n+r}{r} \quad c-r = r \leftarrow 10+n \mid$$

$$\frac{10-n-r-c}{(r-n)(n)(r+n)} \text{ Lir } \boxed{4}$$

$$\frac{(r-c)r}{(r-c)(n)(r+n)} \text{ Lir } \boxed{5} = \frac{rn-r}{(r-n)(n)(r+n)} \text{ Lir } \boxed{6}$$

$$\frac{r}{\sqrt{n}} = \frac{r}{\sqrt{rn}} = \frac{r}{\sqrt{n(r+n)}} \text{ Lir } \boxed{7}$$

$$\frac{\frac{1}{\sqrt{r}} - \frac{1}{\sqrt{r+n}}}{|c-r|} \text{ Lir } \boxed{8}$$

$$\frac{1 + \sqrt{n} - 1 - \sqrt{r}}{(1-r)(1-\sqrt{n})(c-r)} \text{ Lir } \boxed{9}$$

$$\frac{1}{1-r} \downarrow \text{ جملة} \quad \frac{1 + \sqrt{n} - 1 - \sqrt{r}}{(1-r)(1-\sqrt{n})(c-r)} \text{ Lir } \boxed{10}$$

$$\frac{\sqrt{n}-\sqrt{r-1+1}}{(1-r)(n+1)} = \frac{(\sqrt{n}-\sqrt{r-1+1})(1-r)}{(1-r)(1-\sqrt{n})(c-r)} \text{ Lir } \boxed{11}$$

$$\frac{c+\sqrt{n}}{c-r} - \frac{1c+\sqrt{n}}{\sqrt{n}-\sqrt{r}} \text{ Lir } \boxed{12}$$

$$\frac{c+\sqrt{n} \times c+\sqrt{n}}{c+\sqrt{n} \times c-r} - \frac{1c+\sqrt{n}}{\sqrt{n}-\sqrt{r}} \text{ Lir } \boxed{13}$$

$$\sum \sqrt{n} - \sqrt{r-1+1} - \frac{c(c+\sqrt{n}) - 1c + \sqrt{n}}{c-r} \text{ Lir } \boxed{14}$$

$$\frac{\sqrt{n} - \sqrt{r-1+1}}{(c+\sqrt{n})(\sqrt{n}-\sqrt{r})} \text{ Lir } \boxed{15}$$

$$\left(\frac{c}{(1+\sqrt{n})^2} - \frac{1}{c+\sqrt{n}} \right) \frac{1}{r-\sqrt{n}} \text{ Lir } \boxed{16}$$

$$\left(\frac{1 - \sqrt{n} - \sqrt{r}}{(1+\sqrt{n})(c+\sqrt{n})} \right) \frac{1}{\sqrt{n}-\sqrt{r}} \text{ Lir } \boxed{17}$$

$$\frac{1}{c \times \sqrt{r}} = \frac{1}{((1+\sqrt{n})(c+\sqrt{n})) \sqrt{n}-\sqrt{r}} \text{ Lir } \boxed{18}$$

$$\frac{\sqrt{r} - \sqrt{r+n}}{1 - \sqrt{r}} \text{ Lir } \boxed{19}$$

$$\frac{\sqrt{r} - \sqrt{r+n}}{1 - \sqrt{r}} \text{ Lir } \boxed{20}$$

$$\text{نفرض } \sqrt{r} = u \quad \therefore \quad \frac{u}{1-u} = \frac{(1/u)(u - \sqrt{r+n})}{u - \sqrt{r+n}} = \frac{u - \sqrt{r+n}}{u(1-u)} = \frac{u - \sqrt{r+n}}{u - u^2} \text{ Lir } \boxed{21}$$

$$\frac{u}{1-u} = \frac{1 + \sqrt{n}}{1 - \sqrt{n}} \text{ Lir } \boxed{22}$$

$$\frac{u}{1-u} = \frac{(1/u)(u - \sqrt{r+n})}{(1/u)(1-u)} = \frac{(1-u)(u - \sqrt{r+n})}{1-u} = \frac{1 - u - \sqrt{r+n}}{1-u} \text{ Lir } \boxed{23}$$

$$\frac{1 + \sqrt{n} - \sqrt{r+n}}{1 - \sqrt{n}} \text{ Lir } \boxed{24}$$

$$\frac{1 + \sqrt{n} - \sqrt{r+n}}{1 - \sqrt{n}} \text{ Lir } \boxed{25}$$

$$\frac{1 + \sqrt{n} - \sqrt{r+n}}{(1+\sqrt{n})(\sqrt{n}-\sqrt{r})} \text{ Lir } \boxed{26}$$

$$\frac{10}{r} = \frac{17-1}{1+1} = \frac{17-4}{1+4} \text{ Lir } \boxed{27}$$

$$\frac{cv + \frac{1+\sqrt{n}}{\sqrt{n}} \times \Sigma - \sqrt{q}}{3 - \sqrt{n}} \text{ Lir } \boxed{28}$$

$$\frac{(n)(q)(q-n)}{r-n} \text{ Lir } \boxed{29}$$

توصير لتقديرات

$$\left(\frac{1}{c-r} \right) \left(\frac{1}{c} \times \frac{1}{\sqrt{n}} \right) \text{ Lir } \boxed{30}$$

$$\frac{1}{c} = \frac{1}{c} \times \frac{1}{\sqrt{n}} \text{ Lir } \boxed{31}$$

$$\left(\frac{1}{c-r} \right) \left(\frac{1}{r} - \frac{1}{c} \right) \text{ Lir } \boxed{32}$$

$$\frac{r-s}{17} - \frac{r-s}{17} \times \frac{1}{c-r} \times \frac{\sqrt{n} - 1}{\sqrt{n}} \text{ Lir } \boxed{33}$$

$$\left(\frac{1}{c-r} - \frac{1}{r} \right) \frac{1}{r} \text{ Lir } \boxed{34}$$

$$\frac{c}{q} = \frac{c}{(-r)(c+r)} = \left(\frac{c}{(c-r)(c+r)} \right) \frac{1}{r} \text{ Lir } \boxed{35}$$

$$\left(\frac{1}{1+\sqrt{2}} - 1 \right) \rightarrow \lim_{n \rightarrow \infty} 0$$

$$\left(\frac{1}{1+\sqrt{2}} \times 1 \right) \rightarrow 0$$

$$\frac{1 + \sqrt{1+\sqrt{2}}}{1 + \sqrt{1+\sqrt{2}}} \times \left(\frac{1 - \sqrt{1+\sqrt{2}}}{1 + \sqrt{1+\sqrt{2}}} \right) \rightarrow 0$$

$$\frac{1}{r} = \frac{1}{(1 + \sqrt{1+\sqrt{2}})(1 + \sqrt{1+\sqrt{2}})} \rightarrow 0$$

$$\left(\frac{c}{1+\sqrt{2}} \right) \left(\frac{1}{r} - \frac{1}{\sqrt{1+\sqrt{2}}} \right) \rightarrow 0$$

$$\left(\frac{c}{1+\sqrt{2}} \right) \times \frac{\sqrt{1+\sqrt{2}} - c}{\sqrt{1+\sqrt{2}}} \rightarrow 0$$

$$\left(\frac{c}{1+\sqrt{2}} \right) \times \frac{\sqrt{1+\sqrt{2}} + c}{\sqrt{1+\sqrt{2}} + c} \times \frac{\sqrt{1+\sqrt{2}} - c}{\sqrt{1+\sqrt{2}} - c} \rightarrow 0$$

$$\frac{c}{1+\sqrt{2}} \times \frac{\sqrt{1+\sqrt{2}} + c}{(\sqrt{1+\sqrt{2}} + c) \sqrt{1+\sqrt{2}} - c} \rightarrow 0$$

$$\frac{c}{1+\sqrt{2}} \times \frac{(1+c)(\sqrt{1+\sqrt{2}}) - c}{(c+1)(\sqrt{1+\sqrt{2}}) - c} \rightarrow 0$$

الرافعة (التكعبي)

$$\div = \frac{c - 1 + \sqrt{2}}{\sqrt{9-c}} \rightarrow 0$$

$$\frac{17 + \sqrt{1+\sqrt{2}}}{17 + \sqrt{1+\sqrt{2}}} c + \frac{c(1+\sqrt{2})}{17 + \sqrt{1+\sqrt{2}}} \times \frac{c - 1 + \sqrt{2}}{\sqrt{9-c}} \rightarrow 0$$

$$\frac{17 + \sqrt{1+\sqrt{2}}}{17 + \sqrt{1+\sqrt{2}}} c + \frac{c(1+\sqrt{2})}{17 + \sqrt{1+\sqrt{2}}} \times \frac{c - 1 + \sqrt{2}}{\sqrt{9-c}} \rightarrow 0$$

$$\frac{17 + \sqrt{1+\sqrt{2}}}{17 + \sqrt{1+\sqrt{2}}} c + \frac{c(1+\sqrt{2})}{17 + \sqrt{1+\sqrt{2}}} \times \frac{c - 1 + \sqrt{2}}{\sqrt{9-c}} \rightarrow 0$$

$$\div = \frac{r - \sqrt{-1}}{r + \sqrt{-1}} \rightarrow 0$$

$$\frac{r + \sqrt{-1} + (r - \sqrt{-1})}{r + \sqrt{-1}} \times \frac{r - \sqrt{-1}}{r + \sqrt{-1}} \rightarrow 0$$

$$\frac{r + \sqrt{-1} + (r - \sqrt{-1})}{r + \sqrt{-1}} \times \frac{r - \sqrt{-1}}{r + \sqrt{-1}} \rightarrow 0$$

$$r = \frac{r - \sqrt{-1}}{r + \sqrt{-1}} \approx \frac{(1r)(1-)}{(1r)(1-)} \rightarrow 0$$

الهدف بامثل الطرق التربيعى :

$$\div = \frac{c - \sqrt{1+\sqrt{2}}}{0 - \sqrt{0}} \rightarrow 0$$

$$\frac{c + \sqrt{1+\sqrt{2}}}{c + \sqrt{1+\sqrt{2}}} \times \frac{c - \sqrt{1+\sqrt{2}}}{c - \sqrt{1+\sqrt{2}}} \rightarrow 0$$

$$\frac{10 - \sqrt{c}}{(c + \sqrt{1+\sqrt{2}})(c - \sqrt{1+\sqrt{2}})} \rightarrow 0$$

$$\frac{c}{c} = \frac{(c - \sqrt{c})(c - \sqrt{c})}{(c + \sqrt{1+\sqrt{2}})(c - \sqrt{1+\sqrt{2}})} \rightarrow 0$$

$$\div = \frac{c - \sqrt{c} + \sqrt{c}}{1 - \sqrt{c}} \rightarrow 0$$

$$\frac{c + \sqrt{c} + \sqrt{c}}{c + \sqrt{c} + \sqrt{c}} \times \frac{c - \sqrt{c} + \sqrt{c}}{c - \sqrt{c} + \sqrt{c}} \rightarrow 0$$

$$\frac{c - \sqrt{c} + \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \rightarrow 0$$

$$\frac{0 - \frac{0}{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} = \frac{(1 - \cancel{c})(\cancel{c} + \cancel{c})}{(c + \sqrt{c} + \sqrt{c})(1 + \cancel{c})(\cancel{c} - \cancel{c})} \rightarrow 0$$

$$\div = \frac{\sqrt{c - 11} - \sqrt{c + 10}}{1 - \sqrt{c}} \rightarrow 0$$

$$\frac{\sqrt{c - 11} + \sqrt{c + 10}}{\sqrt{c - 11} + \sqrt{c + 10}} \times \frac{\sqrt{c - 11} - \sqrt{c + 10}}{\sqrt{c - 11} - \sqrt{c + 10}} \rightarrow 0$$

$$\frac{\sqrt{c + 11} - \sqrt{c + 10}}{(\sqrt{c - 11} + \sqrt{c + 10})(1 - \sqrt{c})} \rightarrow 0$$

$$\frac{1}{r} = \frac{\sqrt{c - 11} - \sqrt{c + 10}}{(\sqrt{c - 11} + \sqrt{c + 10})(1 - \sqrt{c})} \rightarrow 0$$

$$\div = \frac{c - \sqrt{c} + \sqrt{c}}{1 + \sqrt{c} - c} \rightarrow 0$$

$$\frac{1 + \sqrt{c} + \sqrt{c}}{1 + \sqrt{c} + \sqrt{c}} \times \frac{c - \sqrt{c} + \sqrt{c}}{c + \sqrt{c} + \sqrt{c}} \rightarrow 0$$

$$\frac{(1 + \sqrt{c}) + \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \times \frac{(1 + \sqrt{c}) - \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \rightarrow 0$$

$$\frac{(1 + \sqrt{c}) + \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \times \frac{(1 + \sqrt{c}) - \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \rightarrow 0$$

$$\frac{c \times \cancel{c} \times 1 - \cancel{c}}{c \times \cancel{c}} = \frac{(1 + \sqrt{c}) + \sqrt{c}}{(c + \sqrt{c} + \sqrt{c})(1 - \sqrt{c})} \rightarrow 0$$

$$\frac{1 - \sqrt{v} + \sqrt{1-v}}{1-v} \quad \text{لـ ٢}$$

$$\frac{1+v}{1+\sqrt{v}} \times \frac{1-\sqrt{v}}{1-\sqrt{v}} \quad \text{لـ ٣}$$

$$\frac{\sqrt{v}}{\sqrt{1-v}} \times \frac{1-\sqrt{v}}{(1+v)(1-\sqrt{v})} \quad \text{لـ ٤}$$

$$\frac{(\sqrt{v})(1-\sqrt{v})}{(1+\sqrt{v})(1-\sqrt{v})} \quad \text{لـ ٥}$$

$$v = \epsilon v + \gamma v$$

$$\frac{v - \gamma v - \epsilon v}{v - 1 + \sqrt{v} - \sqrt{1-v}} \quad \text{لـ ٦}$$

$$\frac{(c+v)(\gamma-\epsilon)}{\mu-\gamma} \quad \text{لـ ٧}$$

$$\frac{1+v\sqrt{v}-\epsilon + \frac{v-\epsilon}{\sqrt{v}}}{1+v\sqrt{v}+\epsilon} \quad \text{لـ ٨}$$

$$\frac{1+v\sqrt{v}+c \times \frac{1+v\sqrt{v}-\epsilon}{\sqrt{v}} + \frac{(\mu+v)(\gamma-\epsilon)}{\sqrt{v}}}{1+v\sqrt{v}+\epsilon} \quad \text{لـ ٩}$$

$$\frac{c}{\mu} = \frac{(1-\epsilon-\gamma) + (\mu+\gamma)}{1+v\sqrt{v}+\epsilon} \quad \text{لـ ١٠}$$

$$\frac{v - \sqrt{v}(c+\mu)}{c - \sqrt{v}} \quad \text{لـ ١١}$$

$$\sqrt{v} \gamma = \sqrt{v}(c+\mu) \quad \text{نـ ١٢}$$

$$\frac{v\gamma - \sqrt{v}\gamma^2}{c - \sqrt{v}} \quad \text{لـ ١٣}$$

$$\left(c + \sqrt{v} \right) \gamma^2 \quad \text{لـ ١٤}$$

$$\frac{(c\gamma)^2 \gamma}{(c+\epsilon)(c+\mu)} \quad \text{لـ ١٥}$$

$$\frac{c\gamma}{c} + (\gamma + \mu) \sqrt{v} \quad \text{لـ ١٦}$$

$$\frac{9 + (1c)c}{c^2} = 9 + c\epsilon \quad \text{لـ ١٧}$$

$$\left(\frac{1}{1-\sqrt{v}} \right) \left(1 - \frac{1}{\sqrt{v}} \right) \quad \text{لـ ١٨}$$

$$\left(\frac{1}{1-\sqrt{v}} \right) \left(\frac{1}{1} - \frac{1}{\sqrt{1-v}} \right) \quad \text{لـ ١٩}$$

$$\frac{(\sqrt{v} + \sqrt{1-v}) + 1}{(\sqrt{v} + \sqrt{1-v}) + 1} \times \left(\frac{1}{1-\sqrt{v}} \right) \left(\frac{\sqrt{v} - 1}{\sqrt{1-v}} \right) \quad \text{لـ ٢٠}$$

$$\frac{1}{\mu} = \frac{1}{\mu} \times \frac{1}{\sqrt{v}} \times \frac{1}{\sqrt{1-v}} \quad \text{لـ ٢١}$$

$$\frac{1 - \sqrt{v}}{1 - \sqrt{1-v}} \quad \text{لـ ٢٢}$$

$$1 \leftarrow \text{up} \Leftrightarrow 1 \leftarrow v \quad \text{ور} = ٩٤$$

$$\frac{1 - \sqrt{v}}{1 - \sqrt{1-v}} \quad \text{لـ ٢٣}$$

$$\frac{c}{\mu} = \frac{(1+\mu)(1-\mu)}{(1+\mu+\gamma\mu)(1-\mu)} \quad \text{لـ ٢٤}$$

الخاتمة واللـ ٢٥

$$\frac{v - \sqrt{v} + c}{c - \sqrt{v}} \quad \text{لـ ٢٦}$$

$$\frac{1 - \sqrt{v}}{1 - \sqrt{1-v}} \quad \text{لـ ٢٧}$$

$$\frac{1 + \sqrt{v} + (\sqrt{v})^2}{1 + \sqrt{v} + (\sqrt{1-v})^2} \times \frac{1 - \sqrt{v}}{1 - \sqrt{1-v}} + \frac{(1+\mu)(1-\mu)}{1 - \sqrt{1-v}} \quad \text{لـ ٢٨}$$

$$\frac{v}{\mu} = \frac{1}{\mu} + \frac{c}{\mu} \quad \text{لـ ٢٩}$$

$$\frac{v - \sqrt{v} + 9 + \gamma v}{c - \sqrt{v}} \quad \text{لـ ٣٠}$$

$$\frac{v - \sqrt{v}}{c - \sqrt{v}} + \frac{9 + \gamma v}{c - \sqrt{v}} \quad \text{لـ ٣١}$$

نـ ٣٢
نـ ٣٣
نـ ٣٤

$$\frac{c}{\mu} = \frac{1}{\mu} + \frac{\gamma}{\mu} = \frac{v}{\mu} + \frac{\gamma}{\mu} =$$

واجب

$$\frac{r - \sqrt{r+2}}{r-2} \text{ لـ } \boxed{9}$$

$$\frac{\sqrt{r-2}}{\sqrt{r-2}} + \frac{\sqrt{r-2}}{\sqrt{r-2}} \text{ لـ } \boxed{1}$$

$$\frac{\cancel{r-2}}{(r-2)(\cancel{r-2})} + \frac{\cancel{r-2}}{r-2} \text{ لـ } \boxed{1}$$

$$\frac{1}{2} = \frac{r-2}{r-2} \text{ لـ } \frac{1}{2} - \frac{2}{r-2}$$

$$\gamma = \frac{1-\sqrt{r^2}}{1-\sqrt{r^2}} \text{ مـ خـافـقـهـ مـ} \quad \boxed{11}$$

$$\gamma = 1 + 1 \times r = \frac{(1+\sqrt{r^2})(1-\sqrt{r^2})}{(1-\sqrt{r^2})} \text{ لـ } \boxed{12}$$

$$\text{لـ } \boxed{13} \text{ مـ خـافـقـهـ مـ} \quad \frac{1}{\gamma} = \frac{P}{q-r} + \frac{U}{r-r} \text{ لـ } \boxed{13}$$

$$\frac{1}{\gamma} = \frac{P}{(r+r)(r-r)} + \frac{U}{r-r} \text{ لـ } \boxed{14}$$

$$\frac{1}{\gamma} = \frac{P + (r+r)U}{(r+r)(r-r)} \text{ لـ } \boxed{15}$$

مـ فـيـنـيـهـ بـعـدـ الـ بـطـ بـعـدـ الـ بـطـ

$$\leftarrow P + U \leftarrow P + (r+r)U \leftarrow$$

$$\frac{1}{\gamma} = \frac{U\gamma + (r+r)U}{(r+r)(r-r)} \text{ لـ } \boxed{16}$$

$$\frac{1}{\gamma} = \frac{U\gamma - U^2 + rU}{(r+r)(r-r)} \text{ لـ } \boxed{17}$$

$$\frac{1}{\gamma} = \frac{(r-r)U}{(r+r)(r-r)} \leftarrow \frac{1}{\gamma} = \frac{U^2 - rU}{(r+r)(r-r)} \text{ لـ } \boxed{18}$$

$$\boxed{19} \leftarrow \frac{1}{\gamma} = \frac{U}{\gamma} = \frac{1}{\gamma} - \frac{U}{r+r} \leftarrow$$

$$\text{لـ } \boxed{20} \text{ مـ خـافـقـهـ مـ} \quad \gamma = \frac{U + U^2 + rU}{U - rU} \text{ لـ } \boxed{20}$$

مـ فـيـنـيـهـ بـعـدـ الـ بـطـ بـعـدـ الـ بـطـ

$$\boxed{21} \leftarrow \gamma = U + P^o + r^o \leftarrow$$

$$\gamma = \frac{r^o - P^o + r^o P + r^o}{U - rU} \text{ لـ } \boxed{22}$$

$$\gamma = \frac{(r-r)P}{U - rU} + \frac{r^o - r}{U - rU} \text{ لـ } \boxed{23}$$

$$\boxed{24} \leftarrow \gamma = P + r + r^o \text{ لـ } \boxed{24}$$

$$\begin{aligned} r^o - P^o &= U \\ r^o - r - r^o &= U \\ 10 - r^o - 11 &= U \end{aligned}$$

$$\frac{1 - \sqrt{r+r}}{r-r} \text{ لـ } \boxed{25}$$

$$\text{لـ } \boxed{26} \text{ مـ فـيـنـيـهـ دـنـسـ زـ$$

$$\frac{1 - \sqrt{r+r}}{r-r} + \frac{\sqrt{r-r+r}}{r-r} \text{ لـ } \boxed{27}$$

$$\frac{(r-r)\gamma}{r-r} + \frac{r+r}{r+r} \times \frac{(r-r+r)}{r-r} \text{ لـ } \boxed{28}$$

$$\frac{(r+r)\gamma}{r-r} + \frac{(r-r+r)}{(r+r+r)} \text{ لـ } \boxed{29}$$

$$\boxed{30} = r + 1 = exr + \frac{r}{ex}$$

$$\frac{r - \sqrt{r}(1+r)}{1-r} \text{ لـ } \boxed{31}$$

$$\text{لـ } \boxed{32} \text{ مـ فـيـنـيـهـ دـنـسـ زـ$$

$$\frac{r - \sqrt{r}(1+r)}{1-r} + \frac{\sqrt{r}r - \sqrt{r}(1+r)}{1-r} \text{ لـ } \boxed{33}$$

$$\frac{1 + \sqrt{r}r}{1-r} \times \frac{(1-\sqrt{r})}{1-r} + \frac{((r-r)(1+r))\sqrt{r}}{1-r} \text{ لـ } \boxed{34}$$

$$\frac{(1-r)\gamma}{(1+\sqrt{r})(1-\sqrt{r})} + \frac{(r+r)(r+r+r)\sqrt{r}}{(1+\sqrt{r})(1-\sqrt{r})} \text{ لـ } \boxed{35}$$

$$\boxed{36} = \gamma + 1 = \frac{1}{r} + (1r) \times 1$$

$$\frac{r - \sqrt{r+r} + \sqrt{r}}{r-r} \text{ لـ } \boxed{37}$$

$$\frac{r + \sqrt{r+r} + \sqrt{r}}{r+r} \times \frac{r - \sqrt{r+r} + \sqrt{r}}{r-r} \text{ لـ } \boxed{38}$$

$$\frac{r - \sqrt{r+r} + \sqrt{r}}{r+r} \text{ لـ } \boxed{39}$$

$$\frac{r + \sqrt{r+r} + \sqrt{r}}{r+r} \times \frac{r - \sqrt{r+r} + \sqrt{r}}{(r+r+r)(r-r)} \text{ لـ } \boxed{40}$$

$$\frac{r - \sqrt{r+r} + \sqrt{r}}{(r+r+r)(r-r)} \text{ لـ } \boxed{41}$$

$$\frac{1}{\sqrt{r}} = \frac{1}{r+r}$$

٠٧٩٩٣٦٦٦١١

$$\beta = \frac{q - p^2 - \sqrt{p^2 + 2q}}{p - r}$$

$$\beta = \frac{r - q}{p - r} \beta + \frac{q - \beta}{r - p}$$

$$r = p \leftarrow \beta = p + q + r - \beta$$

$$q = c \leftarrow q - p^2 - = c$$

$$p > r \quad \frac{q - \beta}{r - p} = \beta \quad [18]$$

خانم β اذا كانت β ملائمة من نوعة

β موجودة خانة

$$\frac{q - \beta}{r - p} = 1 - \sqrt{\epsilon}$$

$$(p + \sqrt{\epsilon})(r - p) \beta = 1 - p\epsilon$$

$$0 > p \leftarrow r + p = 1 - p\epsilon$$

$$1 = \frac{q - (r - p)}{r - p} \quad \text{اذا كانت } \beta \text{ ملائمة}$$

$$\frac{q - \beta}{r - p} = \frac{q - (r - p)}{r - p}$$

$$\frac{q - q + \epsilon - p\epsilon}{r - p} \Leftrightarrow \frac{q - \beta}{r - p}$$

$$\frac{\epsilon - q}{r - p} \beta + \frac{q - (r - p)}{r - p}$$

$$\gamma + \epsilon = \frac{r - p}{r - p} \beta + 1$$

$$1 = \frac{r - p}{r - p} \quad \text{اذا كانت } \beta \text{ ملائمة}$$

$$\frac{10 + \sqrt{r - p}}{\sqrt{r - p}} \beta$$

β اقرب لحد المقام

$$\frac{(r + p)(r - p)}{r - p} \beta = \frac{10 - \sqrt{r - p}}{r - p}$$

$$\frac{\Delta}{1} = \frac{r + p}{1} \beta = \frac{\sqrt{r - p}}{r - p}$$

$$0 = \frac{r - p}{r - p} \quad \text{اذا كانت }$$

$$1 = \frac{r - p}{r - p} \quad \text{اذا كانت }$$

$$\frac{1 - (r - p)}{r - p} \beta$$

β اقرب لحد المقام

$$\frac{1 - (r - p)}{r - p} \beta + \frac{(r - p) - (r - p)}{r - p} \beta$$

$$1 = \frac{0 \times \epsilon + (c + \epsilon) \times (r - p)}{\epsilon \times r}$$

$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad [14]$$

خانم β

$$1 = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad [15]$$

دكتور نساجي صوبيه ملائمة

جذب β صوبيه ملائمة

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

و β صوبيه ملائمة

$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$0 = 1 - p\epsilon = 1 - \beta \quad \text{صوبيه}$$

$$\beta = 0$$

غير صوبيه خانمه

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\beta = \frac{(r + p)(r - p)}{r - p} \quad \text{صوبيه}$$

$$r - p = r + p \Leftrightarrow \beta = r + p \quad \text{صوبيه}$$

$$\frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

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$$\beta = \frac{1 - p + \sqrt{p^2 + 2q}}{r - p} \quad \text{صوبيه}$$

بيان و تمارين الكتاب

$$r = 1 - \frac{1}{\sqrt{1 + \frac{1}{r}}}$$

$$\frac{1}{(1 + \frac{1}{r})} = \frac{1}{r} \times \frac{r}{r + 1} = \frac{1}{r + 1}$$

مقدمة تركيبية

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

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

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

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

$$1 = \frac{1 - \frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}{1 - \frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}$$

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

$$1 = \frac{1 - \frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}{\frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}$$

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

$$1 = (\frac{1}{1 + \sqrt{1 + \frac{1}{r}}} + \frac{1}{1 + \sqrt{1 + \frac{1}{r}}})$$

$$1 = \frac{1 + \sqrt{1 + \frac{1}{r}} + 1 - \sqrt{1 + \frac{1}{r}}}{1 + \sqrt{1 + \frac{1}{r}}}$$

خواصيّة ب دعائى سلوك ملحوظة

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

$$1 = \frac{1 - \frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}{1 + \sqrt{1 + \frac{1}{r}}}$$

$$1 = \frac{1 - \frac{1}{1 + \sqrt{1 + \frac{1}{r}}}}{1 + \sqrt{1 + \frac{1}{r}}}$$

$$\frac{1}{r} = \frac{1}{r - \frac{1}{r + 1}}$$

$$\frac{1}{r} = \frac{1}{r - \frac{1}{r + 1}} = \frac{1}{r - \frac{1}{r + 1}} \times \frac{r + 1}{r + 1} = \frac{r + 1}{r(r + 1) - 1} = \frac{r + 1}{r^2 + r - 1}$$

$$\frac{1}{r} = \frac{r + 1}{r^2 + r - 1}$$

$$\frac{1}{r} = \frac{r + 1}{r^2 + r - 1} = \frac{r + 1}{r(r + 1) - 1} = \frac{r + 1}{r(r + 1) - 1} \times \frac{1}{1} = \frac{r + 1}{r(r + 1) - 1}$$

$$\frac{1}{r} = \frac{r + 1}{r^2 + r - 1}$$

$$\frac{1}{r} = \frac{r + 1}{r^2 + r - 1}$$

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$$\frac{1}{r} = \frac{r + 1}{r^2 + r - 1}$$

$\text{مُفَرِّج} = \sqrt{\text{خَارِج}}$

$$\sum = p \leftarrow j^p = r + p - 1 + 1 \leftarrow$$

$$\frac{3+5x-\pi}{1-x} + 1$$

$$10 \text{ اذ اکانز } = \frac{7 - 5 \rightarrow ب - 3 \rightarrow م}{2 - 4 \rightarrow ن \rightarrow ح} \cdot ب \rightarrow م$$

$$O = \frac{(w + o \rightarrow p)(x - v)}{r - v} \text{ Lir} =$$

$$I = P \Leftrightarrow O = R + P \in$$

$$(r+s)(c-v) = r - sv + cv - s \leftarrow$$

$$r - vc - sv + cv =$$

$$\overline{7 - v_7 + \sum} = 7 - v_7 - \sum e$$

$$1 = \text{C} \quad | \quad 1 = P$$

$$17) \text{ اذکانت زیرا میان } 9 = \frac{0 + 2\pi n}{2 + 3n} \text{ میان } 0 \text{ و } 2\pi$$

$$\boxed{r_1 + (r_2 - r_1) \neq r_2} \quad \boxed{r_1 + (r_2 - r_1) = r_1}$$

$$\text{لما } q = \frac{a + m - n}{n} \text{ فـ } q \in \mathbb{Q}$$

$$\begin{aligned} \text{مقدار } \theta &= 0 + (n-1) \alpha \\ 0 &= (n-1) \alpha \end{aligned}$$

$$q = \varepsilon + \sigma = r - rr + s$$

$$w_0 + (n-1) \in \mathbb{N}$$

$$r_1 = \xi - r_0$$

خاتمة بـ ١ بـ ٢ بـ ٣ بـ ٤ بـ ٥ بـ ٦ بـ ٧ بـ ٨ بـ ٩ بـ ١٠

$$\left[\frac{1}{3-s} \right] \left[\frac{1}{4} - \frac{1}{7+s^2} \right] \underset{s \rightarrow 3}{\text{nها}}$$

الحل:

5- اذا كان $q(s) = s^2 \sqrt{s}$ أثبت أن :

$$\underset{s \rightarrow 0}{\text{nها}} q(s) = \underset{(1-q)(s-1)}{(1+q)(s^2-1)} = q(1-q)$$

الحل:

$$8- \text{أوجد} \underset{s \rightarrow 0}{\text{nها}} \sqrt{s}$$

الحل:

6- اذا كانت $\underset{s \rightarrow 3}{\text{nها}} \frac{s-3}{s^2 + as + b}$ غير موجودة، فجد قيم a ، b ???

الحل: