



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

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+, -./01.23, -4

"# 5617 16,8286.9 2- :/3;2898 <2.7 .79 =3>>3<2, ? 8310@9, .-4

"#" A09-.23, :6:9/ 2,1>082, ? 13;9/ :6?9 B !! :6?9-

"#! C,9 -799. 3= 8/6=. :6:9/

!# D2>>2, E30/ FG5 H3#I 16@:0-I J0>82, ?I/33@ 6,8 -96. ,3#3, .79 =/3, . :6?9 3= .79 9K6@2,6.23, :6:9/#

\$# L79/9 6/9 & M09-.23, - 2, .72- :6:9/I 9617 16//29- !N @6/0-# G, -<9/ 6,E \$ M09-.23, -# D0>> @6/0 3= .72- :6:9/ 2- 'N#

%# P0. E30/ 6, -<9/- 2, .79 >2,98 :6?9- :/3;2898# G, -<9/- :0. 9>-9<79/9 <2>> ,3. J9 @6/098#

&# Q73< 6>> E30/ -.9:- 2, ?9..2, ? .3 .79 6, -<9/# D0>> 1/982.- <2>> J9 ?2;9, 3, >E 2= .79 6, -<9/ 6,8 6>> .79 -.9:- 6/9 13//91. 6,8 1>96/>E -73<, #

'# L79 826?/6@- 2, .72- 9K6@2,6.23, :6:9/ 6/9 ,3. 8/6<, .3 -16>9#

(# R6>10>6.3/- 3= 6,E 02,8 6/9 ,3. 6>>3<98 2, .79 9K6@2,6.23, #

)# G, -<9/ .79 M09-.23, - <2.7 6 J>09 3/ J>610 J6>> :9, #

*# R6,8286.9- @0-. /9.0/, .79 M09-.23, :6:9/ 6,8 8/6=. :6:9/ 6. .79 9,8 3= .79 9K6@2,6.23, #

\$

G, -<9/ 6, E \$ M09-.23, -I 9617 16//29- !N @6/0-# S /2.9 83<, .79 6, -<9/- 3, .79 \$ >2, 98 :6?9-
=3>>3<2, ? 9617 M09-.23, #

"#

				<i>P-ABC</i>	<i>PC</i>	<i>ABC</i>	$ \cdot = 3$	$\cdot 1 = \frac{f}{f}$
\hat{P}	\cdot	<i>D</i>	<i>E</i>	<i>AB</i>	<i>BC</i>		$ \cdot f $	$ \cdot$

?

P

\$

E d i

!# T6U $+(-) = - / - 3^{-fi} + 2 \quad + (1) = 0$

T2U $+(-) = 0$

T\$ U

T22U $+(-) \quad + (-)$

T! U

T222U $fTxU$

T\$ U

T2;U $4 = +(-)$

T! U

T;U $T2U \text{ B } T2;U \quad 4 = +(-)$

T\$ U

TJU $4 = -^{fi} - 8 + 24 \quad 4 = 8 - -^{fi}$

T(U

T6U [2;9, =0,1.23, $+(-) = - / - 3^{-fi} + 2 \cdot 6,8 \cdot 76. + (1) = 0\#$

T2U D2,8 6>> .79 -3>0.23, T-U 3= .79 9M06.23, $+(-) = 0\#$

T\$ @6/0-U

T22U D2,8 $+(-) \quad 6,8 \quad + (-)\#$

T! @6/0-U

T222U D2,8 .79 >316> @6K2@0@ 6,8 >316> @2,2@0@ ;6>09- 3= $+(-)$.

T\$ @6/0-U

T2;U D2,8 .79 2, =>91.23, :32, .T-U 3= .79 10/;9 4 = $+(-)\#$

T! @6/0-U

T;U \ -2, ? .79 /9-0>.- 2, T2U B T2;UI -09.17 .79 10/;9 4 = $+(-)$.

T\$ @6/0-U

TJU D2,8 .79 6/96 3= .79 /9?23, J30,898 JE .79 10/;9- 4 = $-^{fi} - 8 + 24 \quad 6,8$

$4 = 8 - -^{fi}\#$

T(@6/0-U

$S \#$ $1(-1, 0) \sim (1, 0)$ C $8(-, 4)$ ~~Ⓢ~~ ~~Ⓢ~~ = ~~Ⓢ~~ < ~~Ⓢ~~ <

T6U C $4^{\text{fi}} = 4$ T% U

TJU $4 = -- + >$ C $ab = 1$ T% U

T1U $? > 0$

T2U $A_{\%} 4 = ? -$ C P m T! U

T22U C P A_{fi} m T% U

T222U m L_{∞} L_1 $\tan^{S\%} \frac{\%}{C}$ T' U

[2; 9, =2K98 :32, .- 1 (-1, 0) 6, 8 ~ (1, 0) # G, E :32, . 8(-, 4) 3, .79 10/; 9 C -6.2=-29-

~~Ⓢ~~ ~~Ⓢ~~ = ~~Ⓢ~~ < ~~Ⓢ~~ <

T6U Q73 < .76. C 2- .79 :6/6J3 > 6 $4^{\text{fi}} = 4$. T% @6/0-U

TJU Q0 : :3-9 .76. .79 -./62?7. >2, 9 $4 = -- + > 2- .6, ?9, . < 2.7$ C# Q73 < .76. $ab = 1$ # T% @6/0-U

T1U Q0 : :3-9 ? > 0 #

T2U D2, 8I J9-289- .79 3/2??, I .79 2, .9/-91.23, :32, . P 3= .79 -./62?7. >2, 9

$A_{\%} 4 = ? - 6, 8$ C# 5K :/9-- E30/ 6, -<9/ 2, .9/@- 3= m# T! @6/0-U

T22U D2, 8 .79 ->3:9 3= .79 .6, ?9, . >2, 9 $A_{\text{fi}} 3= C 6. P$ # 5K :/9-- E30/ 6, -<9/

2, .9/@- 3= m# T% @6/0-U

T222U D2, 8 .79 ;6>09T-U 3= m -017 .76. .79 6, ?>9 J9.<99, L_{∞} 6, 8 L_1 2- $\tan^{S\%} \frac{\%}{C}$ # T' @6/0-U

$$\% \# \quad D = \overline{-1}$$

$$T6U \ T2U \quad E_{\%} = 3 + 5D \quad E_{fi} = 5 + D \quad E = - + 4D \quad |E - E_{\%}| = |E - E_{fi}|$$

$$x \quad y \quad x \quad y$$

T% U

$$T22U \quad E_{\%} \ E_{fi} \ z$$

T! U

$$T222U \quad |E - E_{\%}|$$

T! U

$$TJU \quad = \cos \frac{fi}{H} + D \sin \frac{fi}{H}$$

$$T2U \quad J^H = 1 \quad 1 + J + J^{fi} + \dots + J^L = 0$$

T% U

$$T22U \quad J^M + J^{SM} = 2 \cos \frac{fiM}{H} \quad N = 1, 2, 3, \dots$$

T! U

$$T22U \quad T2U \quad T22U \quad P \cos \frac{fi}{H} Q^{fi} + P \cos \frac{C}{H} Q^{fi} + P \cos \frac{L}{H} Q^{fi}$$

T' U

$$Z9. \ D = \overline{-1} \#$$

$$T6U \ T2U \ Z9. \ E_{\%} = 3 + 5D, 8 \ E_{fi} = 5 + D \ Q0 : : 3-9 \ E = - + 4D \ 6.2-29- \ |E - E_{\%}| = |E - E_{fi}|$$

$$<79/9 \ x \ 6, 8 \ y \ 6/9 \ /96 \# \ D2, 8 \ 6 \ /9 \ 6.23, \ J9. <99, \ x \ 6, 8 \ y \ #$$

T% @6/0-U

$$T22U \ +, \ .79 \ G/?6, 8 \ 826/?6@I \ :>3. \ .79 \ :32, \ .- \ E_{\%} \ E_{fi} \ 6, 8 \ .79 \ >310- \ 3 = z.$$

T! @6/0-U

$$T222U \ D2, 8 \ .79 \ @2, 2@0@ \ ; 6 \times 09 \ 3 = |E - E_{\%}| \#$$

T! @6/0-U

$$TJU \ Z9. \ = \cos \frac{fi}{H} + D \sin \frac{fi}{H} \#$$

$$T2U \ Q73 < .76. \ J^H = 1 \# \]98019 \ .76. \ 1 + J + J^{fi} + \dots + J^L = 0 \#$$

T% @6/0-U

$$T22U \ Q73 < .76. \ J^M + J^{SM} = 2 \cos \frac{fiM}{H} \ I \ N = 1, 2, 3, \dots \#$$

T! @6/0-U

$$T22U \ \ -2, ? \ .79 \ /9-0 \ >.- \ 2, \ T2U \ 6, 8 \ T22U \ =2, 8 \ .79 \ ; 6 \times 09 \ 3 =$$

$$P \cos \frac{fi}{H} Q^{fi} + P \cos \frac{C}{H} Q^{fi} + P \cos \frac{L}{H} Q^{fi} \#$$

T' @6/0-U

&# T6U

$$\begin{aligned}
 &= > + S >^{\text{fi}} + S^{\text{fi}} \\
 \mathbb{R} &= + S =^{\text{fi}} + S^{\text{fi}} \mathbb{R} \\
 S &= + > =^{\text{fi}} + >^{\text{fi}}
 \end{aligned}$$

T) U

TJU $x \ y \ z$ 4

$$\begin{aligned}
 &- + 4 + UE = 1 \\
 (\mathbb{L}): \mathbb{TU} &+ 4 + E = U \\
 &- + U4 + E = V
 \end{aligned}$$

$p \ q$

T2U p TEU T% U

T22U E $p \ q$ E T) U

T6U D61.3/2^9 .79 89.9/@2,6,. \mathbb{R}

$$\begin{aligned}
 &= > + S >^{\text{fi}} + S^{\text{fi}} \\
 &= + S =^{\text{fi}} + S^{\text{fi}} \mathbb{R} \\
 S &= + > =^{\text{fi}} + >^{\text{fi}}
 \end{aligned}$$

T) @6/0-U

TJU [2;9, .79 -E-.9@ 3= 9M06.23, - <2.7 0,0,3<,- -xI y 6,8 z4

$$\begin{aligned}
 &- + 4 + UE = 1 \\
 (\mathbb{L}): \mathbb{TU} &+ 4 + E = UI \\
 &- + U4 + E = V
 \end{aligned}$$

<79/9 p 6,8 q 6/9 13, -.6,.-#

T2U D2,8 .79 /6, ?9 3=p -017 .76. TEU 76- 6 0,2M09 -3>0.23,# T% @6/0-U

T22U D2,8 .79 ?9,9/6> -3>0.23, 3= TEU =3/ .73-9 ;6>09- 3=p 6,8 q -017 .76. TEU 76- @3/9

.76, 3,9 -3>0.23,# T) @6/0-U

"# T6U M CE $|\vec{f}| = |\vec{fL}| \cdot \vec{fL}$ $\vec{fX} \cdot \vec{L}$

$$\vec{e} \cdot \vec{1} = \frac{L}{h} \quad \vec{1} \cdot \vec{e} = \vec{f} \cdot \vec{X} \quad \frac{|Z|}{|N|} = \frac{|L^{\wedge}|}{|N^{\wedge}|}$$

$$|\vec{fX}| = \sqrt{|\vec{fL}|^2 - |\vec{XL}|^2} = 1 \quad |\vec{1} \cdot \vec{e}| = \frac{|L^{\wedge}|}{|N^{\wedge}|} \quad |\vec{e} \cdot \vec{1}| = \frac{L}{h}$$

TJU T2U $|\vec{L}|^2 = 4 = |\vec{f}|^2 + |\vec{fL}|^2 \quad \vec{fL} = \frac{L}{h}$

T22U T6U $|\vec{fX}| = 1 \quad |\vec{f} \cdot \vec{e}| = \sqrt{|\vec{fX}|^2 + |\vec{X} \cdot \vec{e}|^2} = \sqrt{5}$

$$\vec{e} \cdot \vec{f} = \cos^S \frac{P \frac{a|N| + S|N|}{h|N|}}{Q} = \cos^S \frac{P \frac{fabSc}{h h b}}{Q} = \cos^S \frac{P \frac{S}{ad}}{Q}$$

T1U X AB $\vec{e} \cdot \vec{1} = PC \quad \vec{1} \cdot \vec{T} = \vec{e} \cdot \vec{1} \cdot U$

$$\vec{e} \cdot \vec{1} = P-AB-C \quad \vec{e} \cdot \vec{e} = \tan^S \frac{|f|}{|g|}$$

$$\vec{1} \cdot \vec{e} = |\vec{e}| \cdot \frac{a}{h} \quad |\vec{e}| \cdot \frac{a}{h} = \frac{a}{h} |\vec{1} \cdot \vec{e}|$$

$$|\vec{e}| = \frac{|Z| |N|}{|Z^{\wedge}|} = \frac{h}{i P Q a} = \frac{L}{b} \quad P-AB-C \quad \tan^S \frac{L}{h} = \tan^S \sqrt{5}$$

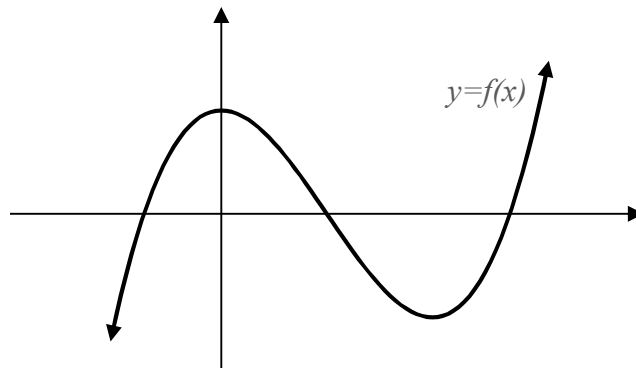
!# T6U T2U $+ (1) = 0 \quad - = 1 \quad + (-)$ $+ (-) = (- - 1)(- \hat{n} - 2 - 2)$
 $+ (-) = 0 \quad - = 1 \quad - \hat{n} - 2 - 2 = 0 \quad - = 1 \quad - = 1 \pm \sqrt{3}$

T22U $+^m(-) = 3^{\hat{n}} - 6 \quad +^m(-) = 6 - 6$

T222U $+^m(-) = 0 \quad - = 0 \quad - = 2$
 $- < 0 \quad +^m(-) > 0 \quad + (-)$
 $0 < - < 2 \quad +^m(-) < 0 \quad + (-)$
 $2 < - \quad +^m(-) > 0 \quad + (-)$
 $+ (0) = 2 \quad + (2) = -2$

T2;U $+^m(-) = 0 \quad - = 1 \quad - < 1 \quad +^m(-) < 0 \quad - > 1 \quad +^m(-) > 0$
 $(1,0) \quad 4 = + (-)$

T;U



TJU $p_4 = \frac{4 - \hat{n} - 8 + 24}{4 - \hat{n}} \quad - = 2 \quad - = 6$

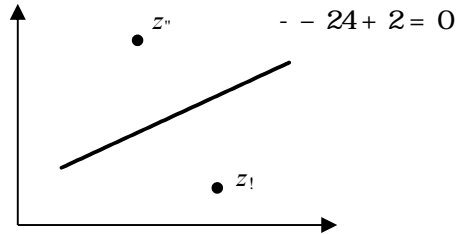
$2 < - < 6 \quad 4 = 8 - \hat{n} \quad 4 = - \hat{n} - 8 + 24$

$$\begin{aligned} \frac{L}{\hat{n}}(8 - \hat{n}) - (- \hat{n} - 8 + 24) r &= \frac{L}{\hat{n}} - 2^{\hat{n}} + 16 - 24r \\ &= s - \frac{\hat{n}}{r} + 8^{\hat{n}} - 24 t_{\hat{n}}^L \\ &= \frac{LC}{r} \end{aligned}$$

%# T6U T2U $E = - + 4D$

$$\begin{aligned} |E - E_0| &= |E - E_{fi}| \\ \frac{-(- - 3)^{fi} + (4 - 5)^{fi}}{-(- - 5)^{fi} + (4 - 1)^{fi}} &= \frac{-(- - 5)^{fi} + (4 - 1)^{fi}}{-(- - 3)^{fi} + (4 - 5)^{fi}} \\ - - 24 + 2 &= 0 \end{aligned}$$

(22)



T222U $z \quad E_0 \quad E_{fi} \quad E = 4 + 3D \quad |E - E_0|$
 $|E - E_0| = \bar{5}$

TJU T2U $J^H = (\cos \frac{fi}{H} + D \sin \frac{fi}{H})^H = \cos \frac{C}{H} + D \sin \frac{C}{H} = 1$
 $J^H - 1 = 0 \quad (J - 1)(J^L + J^b + \dots + 1) = 0$
 $J^L + J^b + \dots + 1 = 0 \quad \uparrow \quad J \quad 1U$

T22U $J^M + J^{SM} = (\cos \frac{2N}{7} + D \sin \frac{2N}{7}) + (\cos \frac{2(-N)}{7} + D \sin \frac{2(-N)}{7})$
 $= (\cos \frac{fiM}{H} + D \sin \frac{fiM}{H}) + (\cos \frac{fiM}{H} - D \sin \frac{fiM}{H})$
 $= 2 \cos \frac{fiM}{H}$

T222U $P \cos \frac{fi}{H} Q + P \cos \frac{C}{H} Q + P \cos \frac{L}{H} Q$
 $= P \frac{a \sim \epsilon}{fi} Q + P \frac{a \sim \epsilon}{fi} Q + P \frac{ha \sim \epsilon h}{fi} Q$
 $= \frac{\%}{C} [(J^{fi} + 2 + J^{Sfi}) + (J^C + 2 + J^{SC}) + (J^L + 2 + J^{SL})]$
 $= \frac{\%}{C} [(J^{fi} + 2 + J^b) + (J^C + 2 + J^/) + (J^L + 2 + J)]$
 $= \frac{\%}{C} [5 + (1 + J + J^{fi} + \dots + J^L)]$
 $= \frac{C}{b}$
 $= \frac{C}{C}$

$$\begin{aligned}
&\&\# \text{ T6U} \\
&= > + S >^{\text{fi}} + S^{\text{fi}} &= > + S >^{\text{fi}} + S^{\text{fi}} \\
&R = + S =^{\text{fi}} + S^{\text{fi}} R = R - = - - > =^{\text{fi}} - >^{\text{fi}} R \\
&S = + > =^{\text{fi}} + >^{\text{fi}} &S - = - - S =^{\text{fi}} - S^{\text{fi}} \\
&= > + S >^{\text{fi}} + S^{\text{fi}} \\
&= (= - >)(= - S) R - 1 \quad 1 \quad = + > R \\
&= > + S >^{\text{fi}} + S^{\text{fi}} \\
&= (= - >)(= - S) R - 1 \quad 1 \quad =^{\text{fi}} - >^{\text{fi}} R \\
&= + > + S >^{\text{fi}} + S^{\text{fi}} \\
&= (= - >)(= - S) R \quad 0 \quad 1 \quad =^{\text{fi}} - >^{\text{fi}} R \\
&= (= - >)(> - S)(S - =)(= + > + S)
\end{aligned}$$

$$\begin{aligned}
&\text{TJU T2U T5U} \\
&1 \quad 1 \quad U \\
&R \quad 1 \quad 1R \quad 0 \quad U \quad 1 \quad U \quad -2 \\
&1 \quad U \quad 1 \\
&- + 4 + E = 1 \\
&U = 1 \quad T5U \quad T + 4 + E = 1 \quad V = 1 \\
&- + 4 + E = V \\
&- = 1 - \dots - \dagger \quad 4 = \dots E = \dagger \quad \dots \dagger
\end{aligned}$$

$$\begin{aligned}
&\text{T22U} \quad U = -2 \quad T5U \quad T - 2 + 4 + E = -2 \quad O = V - 1 \quad V = 1 \\
&- - 24 + E = V \\
&- + 4 - 2E = 1 \\
&P - 2 + 4 + E = -2 \quad - = 1 + \dagger \quad 4 = \dagger \quad E = \dagger \quad \dagger
\end{aligned}$$

Q0??9-.98 G, -<9/4

"# T6U Z9. M J9 .79 @28X:32,.. 3= CE# G- · flL 2- 6, 2-3-19>9- ./26, ?>9 <2.7 |· fl| = |flL|I
<9 76;9 flX · L# [2;9, ~ · 1 = $\frac{<}{\#}$ 6,8 -3 1 ~ · 6,8 fl~ X 6/9 -2@2>6/# L70-I

$$\frac{|ZL|}{|I \setminus|} = \frac{| \wedge |}{| \setminus |} \# G- |flX| = \frac{|flL|^{\#} - |X \setminus|^{\#}}{|flL|^{\#}} = 1I <9 ?9. |1 \cdot | = \frac{| \wedge |}{| \setminus |} | \cdot \sim | = \frac{<}{\#}$$

$$TJU T2U G- | \cdot L|^{\#} = 4 = | \cdot fl|^{\#} + |flL|^{\#} <9 ?9. \cdot flL = \frac{<}{\#}$$

$$P_4 = \frac{4 - (-)^n - 8 + 24}{8 - (-)^n} \quad I < 9 \text{ J.62, } - = 23 / - = 6\#$$

$$D3 / 2 < - < 6 \cdot 79 \text{ 10 / ; } 9 \cdot 4 = 8 - (-)^n \cdot 2 - 6 \text{ J3 ; } 9 \cdot 79 \text{ 10 / ; } 9 \cdot 4 = -^n - 8 + 24\#$$

Y9, 19I .79 /9M02/98 6/96 2-

$$\begin{aligned} \frac{L}{f_i} (8 - (-)^n) - (-^n - 8 + 24) r - &= \frac{L}{f_i} - 2 \cdot (-)^n + 16 - 24r - \\ &= s - \frac{f_i}{/} + 8 \cdot (-)^n - 24 \frac{L}{f_i} \\ &= \frac{LC}{/} \end{aligned}$$

\$# T6U S9 76; 9 $\frac{L}{f_i} = (- + 1, 4)$, $\frac{L}{f_i} = (2, 0)$ 6, 8 $\frac{L}{f_i} = (- - 1, 4)$ # Y9, 19I

$$\frac{L}{f_i} \cdot \frac{L}{f_i} = \frac{L}{f_i} < \frac{L}{f_i} < \frac{L}{f_i} \quad 2(- + 1) = 2 \sqrt{(- - 1)^n + 4^n} \quad 4^n = 4 \cdot$$

(b) From $P_4 = \frac{4^n - 4}{4} = - + > \quad I < 9 \text{ ?9. } = (-)^n - (-)^n + (2 - > - 4) - + >^n = 0\# \quad T''U$

G- .79 > 2, 9 4 = - + > 2- .6, ?9, . . 3 CI T''U 76- 6 830J > 9 / 33.I 2- 82-1/2 @ 2, 6, . 2- NI
2#9#I (2 - > - 4)^n - 4 = (-)^n >^n = 0# Y9, 19I => = 1#

T1U T2U Q3 > 2, ? $P_4 = \frac{4^n - 4}{4} = ? - \quad I < 9 \text{ ?9. } - = 03 / - = \frac{C}{x} \#$ G- .79 2, .9 / - 91.23, : 32, . P 2- , 3. .79 3/2 ? 2, I

$$2. 2- P \frac{C}{x}, \frac{C}{x} Q$$

T22U ` E T J U I > 9. $A_{f_i} \text{ J9 } 4 = - + \frac{\%}{y} \text{ G- P } 2- 6 : 32, . 3, A_{f_i} I < 9 \text{ ?9. } \frac{C}{x} = \frac{C}{x} + \frac{\%}{y} < 7217 \text{ ?2 ; } 9-$

$$4 = (-)^n - 4 = ? + ?^n = 0\# \text{ Y9, 19I } = = \frac{x}{f_i} \#$$

T222U G- ? > OI > 9. $\tan z_{\%} = ?$ 6, 8 $\tan z_{f_i} = \frac{x}{f_i} \text{ J9 .79 } \rightarrow 3 : 9 - 3 = A_{\%} 6, 8 A_{f_i} I / 9 - : 91.2 ; 9 > EI$

$$< 79 / 9 \text{ O} < z_{f_i} < z_{\%} < \frac{/}{f_i} \# \text{ L79, I}$$

$$\frac{1}{4} = \tan(z_{\%} - z_{f_i}) = \frac{\tan z_{\%} - \tan z_{f_i}}{1 + \tan z_{\%} \tan z_{f_i}} = \frac{? - \frac{?}{2}}{1 + ? (\frac{?}{2})} = \frac{?}{2 + ?^n}$$

$$= / 3 @ < 7217 < 9 \text{ ?9. } ?^n - 4? + 2 = 0\# \text{ Y9, 19I } ? = 2 \pm \sqrt{2}\#$$

%# T6U T2U Z9. E = - + 4D L79, I

$$\begin{aligned}
 |E - E_0| &= |E - E_{fi}| \\
 \frac{(- - 3)^{fi} + (4 - 5)^{fi}}{(- - 5)^{fi} + (4 - 1)^{fi}} &= \frac{(- - 5)^{fi} + (4 - 1)^{fi}}{(- - 5)^{fi} + (4 - 1)^{fi}} \\
 (- - 3)^{fi} + (4 - 5)^{fi} &= (- - 5)^{fi} + (4 - 1)^{fi} \\
 - - 24 + 2 &= 0.
 \end{aligned}$$

(ii)

T222U $|E - E_0|$ 6..62, - 2. @2,2@0@ <79, z 2- .79 @28X:32, . 3= E%6,8 E_{fi} I 2#9#I E = 4 + 3D
 +, .72- 16-9I $|E - E_0| = \bar{5}$ #

TJU T2U $J^H = (\cos \frac{fv}{H} + D \sin \frac{fv}{H})^H = \cos \frac{vC}{H} + D \sin \frac{vC}{H} = 1.$

$$J^H - 1 = 0 \quad (J - 1)(J^L + J^b + \dots + 1) = 0$$

$$J^L + J^b + \dots + 1 = 0 \quad \text{OT-2,19 J} \quad 1)\#$$

T22U $J^M + J^{SM} = (\cos \frac{2N}{7} + D \sin \frac{2N}{7}) + (\cos \frac{2(-N)}{7} + D \sin \frac{2(-N)}{7})$
 $= (\cos \frac{fiM}{H} + D \sin \frac{fiM}{H}) + (\cos \frac{fiM}{H} - D \sin \frac{fiM}{H})$
 $= 2 \cos \frac{fiM}{H}.$

T222U $P \cos \frac{fi}{H} Q + P \cos \frac{C}{H} Q + P \cos \frac{L}{H} Q$
 $= P \frac{a \sim \epsilon}{fi} Q + P \frac{a \sim \epsilon}{fi} Q$

