



1 22 § . --- µ^a ± ¶ Ž² µ^a 2 µ^{1/4}

!) µ[±] µ⁻ & µ[·] « µ² µ[·]
! " µ^{ff} ± µ[·] ... µ[·] / µ[·] |
' --- 1 µ[»]

° ° ° µ² § µ^a ± ¶ µ² °

° µ⁻ ± µ[·] µ² § µ^a ± ¶ µ² °

VGUV'TGRQTV

ENKGP V'F GVCKNU	Egt vllkcvg'P q0 < 439/42688/4235
" " "	Kuug'P q0 < 9
" .45289. I tggg0	F cvg'T gegkxgf < 53 127 4235
Hqt 'vj g'c wgpwqp'qh' 0'	Uctv'qh' Cpcn' uku < 53 127 4235
	Gpf 'qh' Cpcn' uku <
UCO RNG'F GVCKNU	F cvg'qh' Kuug'P q03 < 28 128 4235
Eqf g < 439/42688/4235	F cvg'qh' T gkuug < 29 123 4237
Ecvgi qt { < Hc w' (' Qku	UCO RNKPI 'RTQEGUUF GVCKNU
F guetkr vkqp < QNKXGU'VGNKGU''	Uco r rgt 'd { < Eqwt lgt
	Eqpf kxqp < %Cee gr w d r g +
	Rceni lpi < %e p v c k p g t + @ 3 2 2 i
	Rt g u g t x c v k p < %T g h k i g t c v q t +

TGUWNVU

'Rct co gvgt u' qh' Cpcn' uku	Tgumv	Wplsu	F gvgvklp Nlo kv	O gvj qf
[gcuu'Eqwv	>32	ehwfi t	32	CQCE'T/Dkqr j cto
O qwf u'Eqwv	708'z'32' 3	ehwfi t	32	CQCE'T/Dkqr j cto
O qpq/Wpucwt cvgf 'Hc w	370	i t B22i t	208	I NE'G E'T gi wcvkqp'478: i; 3
Ucwt cvgf 'Hc w	508	i t B22i t	208	I NE'G E'T gi wcvkqp'478: i; 3
Rqr /Wpucwt cvgf 'Hc w	30	i t B22i t	208	I NE'G E'T gi wcvkqp'478: i; 3
stcpu'Hc w	208	i t B22i t	208	I NE'G E'T gi wcvkqp'478: i; 3
Vqvcn'Uwi ctu	204	i t B22i t	2.3	Gp { o cvk
Ucnv	545504	o i B22i t	/	I TGGMEQF GZ
P W T K V K Q P C N ' H W N N ' G P \ [O K E				
I t quu'Ecmt Hle'Xcwg	3236	M B22i t	/	Ecrcwv'xkg'*TGI 338; /4233+
I t quu'Ecmt Hle'Xcwg	467	Mecn B22i t	/	Ecrcwv'xkg'*TGI 338; /4233+
Hc v	4208	i t B22o n	208	Uqzj ngv'k p j q w u g ' O g v j q f
Ect dqj { f t cvgu' % qvcn-	3306	i t B22o n	2.3	ECNEWNCVXKG
Vqvcn'F lgvct { 'Hldtg	506	i t B22o n	208	CQCE"; ; 3065
Rt qvgkpu	30	i t B22o n	208	nlgf c j n'k p ' j q w u g ' c e e q t f l p i ' q ' R U Q I F K U ; ; 8: /4
Cuj %'qvcn-	50	i t B22o n	/	I TGGMEQF GZ
O qluwtg	7; 08	i t B22o n	/	I TGGMEQF GZ
Vqvcn'Rw'g'Eqwv'cv'59AE	408'z'32' 4	ehwfi t	32	CQCE'T/Dkqr j cto
Gpvtqdcvgtkcegcg'cv'59AE	>32	ehwfi t	32	CQCE'T/Dkqr j cto
Guej gtej k'eqrk	>32	ehwfi t	32	CQCE'T/Dkqr j cto
Ucm qpgrc'ur r 0'F gvgvklp+		ehw47'1 t	3	Txgcnl'ht'Ucm qpgrc' CQCE'Cr tqxcn Nlegpug'P wo dgt"; 82: 23

Vj g'Vgej plecn'F h'gevt

Vj g'Egt vllkcvg'qh' Cpcn' uku'Uwr gt xkuqt
Go o 0'Rqrksku.'Dkqrqi kv'O Ue

Vj g'Ncd'F h'gevt
I 0'Uktci cnku.'Ej go kv'O Ue

VJ KUK'CP 'GNGEVTPQE'EQRL 0UHX P CVWTPQV'TGS WRTGF 0

Vj ku'tgr qtv'tghgtu'qprf 'v'j g'lc'o r ng'gugf 'cpf T qgu'p'q'v'c'r r n' 'cu'qt'lo r n' #cp { 'h'p'f 'q'h'r tqf vev'egt vllkcvkqp'00 qf h'k'c'v'k'p'q't' r'c't'v'n't'gr tqf vev'k'p'q'h'i'c'p'c'n' uku't'gr q't'v'k'i'p'q'v'c'm'y g'f 'y' k'j q'w'd'g'k'p'i y t'k's'g'p'c'w'j q't'k'f 'd' { 'j' g' H'q'f 'C'ng'ti g'p'u'N'cd'q'c'v'q't { '%q'p'f 'ku'v'q'v'c'n'f'q'p'v'g't'gr tqf vev'k'p'ku'c'm'y g'f 0



1 22 § · --- μ^a ± ¶ Ž^α μ^α 2 μ^{1/4}

!) μ[±] α⁻ & μ[·] « ©² μ[·]
! " α^{ff} ± α[·] ... @⁻ / μ[·] |[·]
' --- 1 α[»]

° ° ° ©² § α[·] μ^a ± ¶ α[·] 1² ° ° α⁻ ± © ©² § α[·] μ^a ± ¶ α[·] 1² °

VGUV'EGTVKHKCVG

Eqp^kw^kpi 'Itgo 'rtg^kw^u'rci g

Tgummu

Vg^uw^o ctm^g'y kj %j cxg'dggp'uwdeq^ptxce^gf'q'cp'ceet^gks^gf'Ncdq^tcv^qt ('v^pf^gt'KQ'39247'Ceet^gf^gkc^kq^p0')

: Uhm5 VjXg	/	Ca Y[U' ZHmiUjXg	\$, \$			
7 (. . \$ Vi mfjW	\$	Ca Y[U' ZHmiUjXg	+ " \$			
7 * . \$ 7 UdfcbjW	\$	' # *	\$ % \$			
7 , . \$ 7 UdfmjW	\$	* # '	- " ,			
7 % \$. \$ 7 UdfjW	\$					
7 % & \$ ' @i fjW	\$	' ZHmi UjXg	* ZHmiUjXg			
7 % \$. \$ a mfjghjW	\$	7 % . ' Vjg	7 % . &			
7 % \$. \$ a mfjghc YjW	\$	7 % . ' HfUbg	7 % . & HfUbg			
7 % \$ ' DYbXUXYUbcjW	\$	7 & \$. ' b'	7 % . ' Vjg			
7 % \$. % Vjg! % \$ dYbXUXYUbcjW	\$	7 & \$.) b'	7 & \$. ' b*			
7 % \$. \$ dUa jHjW	% %	7 & \$.) b'	7 & \$. (' b*			
7 % \$. % dUa jHc YjW	\$ %	7 & \$ * ' b'		Zh f[# \$ \$ [d		& \$ %
7 % \$. \$ < YdHUXYUbcjW	\$					
7 % \$. % Vjg! % \$ < YdHUXYUbcjW	\$	DYfWbHj Y' cZ: Uh		DYfWbHj Y' cZtHj dfcXi Vh		
7 % \$. \$ ghUfjW	& %	GUh fUHx ZHmiUjXg' i	% % \$	GUh fUHx ZHmiUjXg' i		' % %
7 % \$. % HfUbg	\$	Acbci bgUh fUHx ZHmiUjXg' i	+ * % \$	Acbci bgUh fUHx ZHmiUjXg' i		% + \$
7 % \$. % c YjW	+) %	Dc' mi bUh fUHx ZHmiUjXg' i	, + \$	Dc' mi bUh fUHx ZHmiUjXg' i		% + -
7 % \$. & HfUbg	\$	HfUbgj 'jb' tHj ZH	\$ % \$	HfUbgj 'jb' tHj ZH		\$ % \$
7 % \$. & ' jbc YjW	+ -					
7 & \$. \$ 5 fUW jXjW	\$ %					
7 % \$. ' HfUbg	\$					
7 % \$. ' jbc Yb jW	\$,					
7 & \$. % Vjg! - 19 jVtgybc jWUjX	\$					
7 & % \$ \ Ya jVtgybc jW	\$					
7 & \$. & YjVtgybc jW	\$					
7 & \$. ' b' Yj cgybc jW	\$					
7 & \$. \$ 6 Yj Yb jW	\$					
7 & \$. ' b' Yj cgybc jW	\$					
7 & \$. (' b' 5 fUW jXcb jW	\$					
7 & \$. % 9 fi VjW	\$					
7 & \$. \$ HfjVtgybc jW	\$					
7 & \$. & XcVtgybc jW	\$					
7 & \$.) b' 9 D5	\$					
7 & \$. \$ @ [bcVf jW	\$					
7 & \$. % bYj fcb jW	\$					
7 & \$.) b' Vjg + 2 % 2 % 2 % 2 % ! XcVtgybc jW	\$					
7 & \$. * b' 8 < 5	\$	hHj	% \$			

Vj g'Vgej plecdFk gevqt

Vj g'Egt vkecvg'qHcpcr^q uku'Uwr gt xkuqt
Go o ORq^rksku.'Dkqⁿi kuv'O Ue

Vj g'Ncd'Fk gevqt
I OUKci cnku.'Ej go kuv'O Ue

VJ KUK'CP 'GNGEVTQP IE'EQRI OUH P CVWTGP QV'TGS WK'GF O

Vj ku't^gr q^tv^tgh^tu^qpn^q 'v^q'j g'bc^o r^g'g^ug^g'c^pf T^gg^u'p^qv^rrⁿ 'cu[%]q^t'lo rⁿ q[·]cp { 'h^{lp}f 'q^h'r^tq^f ve^veg^t v^hkecv^g00 q^f h^hec^vq^p'q^t r^{ct}v^{cl}n^gr^tq^f ve^kq^p'q^h'c^{pc}r^q uku't^gr q^tv^tku'p^qv^{cn}my g^f'y kj q^wd^gk^{pi} y t^{ks}g^p'c^wj q^tk g^f'd { 'j g'H^qq^f'C^{ng}ti g^{pu}'Ncd^qtc^vq^t { 'q^{pn}q'ku'q^{cn}fe^qp^vg^rt^qf ve^kq^p'ku'c^{my} g^f'0