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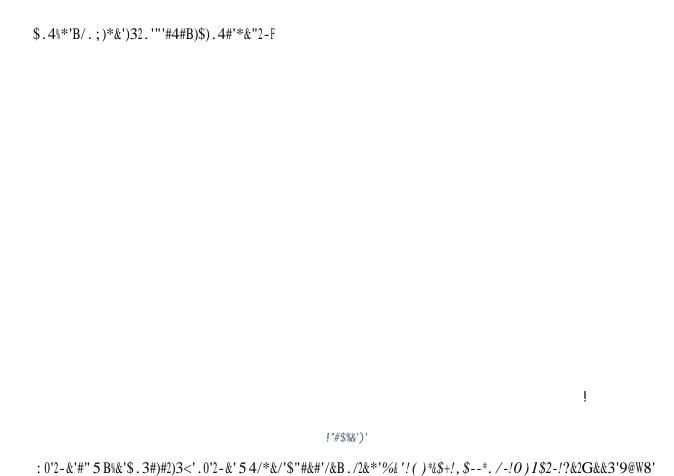
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0/&S4&3\$+'G)2-'G-)\$-'"42.B#)&#'G&/&'B&/0./5&*')3'&"/\\+'5.*&/3'C3<\\"3*'\\$-\\\\&3\\&B2).3'.0'2-&'\&\\/\\+'5.*&/3'C3<\\)#-'*.\$2./'"3*'-)#'\\$-"3<)3<'/\&\\"2).3#-)B'G)2-'2-&'B\"2)&32'\"3*'
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B/.0&##) .3F'D-&'\"\$N' .0' 5 &*)\$"\%'\$"*";&/#'0./'&VB&/) 5 &32"2) .3')3'2-)#'&/"'-"#'?&&3'\$.5 5 &32&*' .3'

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^{#\$!2\$,.!!}SK&'H5,+!V-\$7+&'R&!,-'!\8&!*,.+)!K\$'&.-!*-R+HG8!]\$.\$-&.;6!X-h#&G\Y!!DP;!

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)30"32)\$)*&F'D-&'B/.0&##).3"%')*&32)2+'.0'2-&')3*);)*4"%'G-.'B&/0./5&*'2-&'"42.B#+'B/.;)*&#'
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#&&3'2-&'0./54%"2).3'.0'"'-)&/"/\$-+'G)2-)3'2-&'B/"\$2)\$&A'G)2-'B-+#)\$)"3#'"2'2-&'2.BF

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^{**! ?} H+H, O!_\$#R8&, '!! !!;<;D>!

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B/.3.43\$&5&32#F'D-&'"42.B#+'.0'C*G"/*'OK'#-./2%+'"02&/'-)#'*&"2-')3'9\\h'0.43*'2-"2'2-&'+.43<'

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^{%(!]\$00#-}H5,\H\$-!@.\$0!M.H^)!]\$#-5H+1!,G!h#\$\&'!()!*'0#-'!2\$'R&!!

[!]A/,.'H-R!,-'!2&I,.'1!;PCZE>!

^{%)!}L.,5&! / \$+0&G!!Q.& '&.H56! / \$+0&G!!,- '!N#H,!K5K\$..\$#R8!!ST8&!4&,\%!\$@!U\$#-R!VH-R!*'7,.'!WXIY! !CDZ!!-\$>!;!AK,)!9::;E3!II>!B:[B9!

[&]amp;*! CC!

789!9;)P&#!M@&' 5579!6&"85!8: ?!=; : E"=6"; :!A&; E"?' 9!": 9"\$46!": 6; !64' !"BA8=6!; <!64' !' B' &\$": \$!6&' : ?!; <!

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B' ?"=85!' E"?' : =' D!89! 7' 55!89!64' !\$&; 7": \$!B8&S' 6!<; &!685' 9!; <!B%&?' &)

1 %2-.4<-'2-&'C3<\\)#-'\\&<'\\'#+#2&5'-''*'3.2'+&2'\&VB\&/)\&3\\&*'2-\&'G'';\&'.0'\\&0./5')2'G.4*')3'2-\&'
3)3\&2\&\&32-'\\$\&324/+\A'2-\&/\&')#'\&;\)*\&3\\&\&'2-''2'5\\&*\)\$"\\'\&VB\&\/2'G)23\&##\&#'G\&\&'<'')3)3<'2(/2)0.2('G)-0.29T j ETQ9.2(#)-

2-&'*&"2-'.0'!&2&/'(.G#&\&+')3'9

1#'2-&'C3<%)#-'\$.4/2'#+#2&5'\$-"3<&*'.;&/'2-&'&"/%+'5.*&/3'&/"A'2-&'4#&'.0'5&*)\$"%'&VB&/2'
2)5.3+')#'&;)*&3\$&'.0'"'#+#2&5'5.;)3<'2.G"/*#'5.*&/3')*&"%#'.0')5B"/2)"%)2+'"3*'0"\$2T?"#&*'
&;)*&3\$&F'1#'2-&'C3<%)#-'%&<"%'5"\$-)3&'</&GA'2-&'</.G)3<'*&5"3*'0./'"42.B#)&#'"3*'.2-&/'0./5#'
.0'0./&3#)\$'&;)*&3\$&'*4/)3<'2-)#'&/"')#')3'%)3&'G)2-'"'</.G)3<'*&5"3*'0./'/&%)"?%&'"3*';&/)0)"?%&'
&;)*&3\$&F'6\$6"-.3'-"#'#4<<&*'2-"2'?.2-'#-)02#')3'B4?%)\$'.B)3).3'"3*'\$-"3<&#'2.'\$/)5)3"%"G'
B/.\$&*4/&#'#&/;&*'2.')3\$/&"#&'2-&'3&&*'0./'&VB&/2'&;)*&3\$&'G)2-)3'2-&'\$.4/2/...5F'PD-&'
)*&.%.<)\$"%#-)02#'.0'2-&'#&;&32&&32-'\$&324/+A'0.%.G&*'?+'2-&'%&<)#%"2);&'\$-"3<&#'.0'2-&'
&)<-2&&32-A'B%"+&*'"'/.%&')3'5"N)3<'&VB&/2#'5./&'*&##)/"?%&'"#'2-&'#.4/\$&'.0'.?[&\$2);&'2/42-')3'2-&'
\$.4/2/...5A'B4#-)3<'?.*)&#'2.'2-&'0./&0/.32'.0'2-&'%&<"%'B/.\$&##FR

B"2)&32'./'\$.3*4\$2)3<'"3'"42.B#+'2-"2'G"#'*&& 5 &*'/&%; "32'2.'2-&'2/)"%F'H4\$-'&VB&/2#'#&%*.5'
"BB&"/&*'2.'0&&%'"%%&<)"3\$&'2.'&)2-&/'#)*&FR

"3*'?.*)%+'043\$2).3#A'2-&'/&\$&B2).3'.0'2-)#'2')3'\$.4/2/..5#'.00&/#'"3'.BB./243)2+'2.'*&2&/5)3&'
2-&'5&*)\$"%'N3.G%&*<&'.0'[4/+5&3A'"#'G&%""#')%%4#2/"2)3<'2-&'*&?"2&'2-"2'/"<&*')3'2-&'5&*)\$"%'
\$.5543)2+F''

L -)%&')2')#'*)00)\$4%2'2.'*&2&/5)3&'2-&'&V"\$2')5B"\$2'"42.B#+'2)5.3+'-"*'.3'2-&'0)3"%';&/*)\$2\!\ 2-/.4<-'2-&'&V" 5)3"2).3'.0'2/)"\%'2/"3#\\$/\B2#\\2-\&\\&')#\\&;\)*\&3\\&\\2-"2'\&;\)*\&3\\&\\0/.5'"\42.B\#\\&\\G"\#' ;"\\d&\dau'-)<-\\dau'-\\dau'-\\dau'-#4%0"2&\d'G-)\$-'.\$\$4//&*'[4#2'2G.'5.32-#'"02&/'2-&'2/)"\d'.0'6"/+',\d'"3*+\d'2-&'"42.B#+'G"#'"\\delta<&*\+' ./*&/&*'?+'2-&'*&\$&"#&*'B/)./'2.'-)#'*&"2-F'6"/N'("GN)3#\\\2-&'\&VB\\\2\'5\&*)\$"\\G\\\23\\\##'G-.'-"*' 2"N&3')3'-)#'#2.5"\$-A'0/.5'B.)#.3A'./"3+'2-)3<'.0'2-"2'N)3*R'%F''_&#B)2&'.;&/G-&%5)3<'G)23&##' 2) 5 . 3+'2-"2'] "/B&32&/'-"*'\$. 30&##&*'2 . 'B .)# . 3)3<' ()\%\a'#-&'G"#'"\\$S4)22&*\a'B&/-"B#')\\4#2/"2)3<' </.G)3<'\$.30)*&3\$&')3'5&*)\$"\'2)5.3+'0.\\\.G)3<'2-&'6"/+',\\"3*+'\$"#&F'D-4#\\\P?+'2-&'\\"2&/' &)<-2&&32-'\$&324/+ 1 5 & 5 ?&/#'.0'2-&'5 &*)\$"\"B/.0&##).3'-"*'"?\")#-&*'2-& 5 #&\";&#'"#'N&+' ;&/*)\$2'./'"'#4?#&\$4&32'2/)"%';&/*)\$2FR'&'L-)%&'0./&3#)\$'#\$)&3\$&'G"#'\$&/2")3%+'5./&'5.*&/3)U&*')3' B\"\\$\#'\#4\\$-'\"\#'\O/\"3\\$\\a'\C3<\\"\3'\G\"\#'\3.2\\"\#'\#\.\\"2\&\\\"\#'\-\"\#'\.02\&3\\\&\&3\\\"\##4\5\&*F\\P\k\&\\$\&32\\ #\$-.%"/#-)B\\\dagger-\Gamma\\\dagger-\Gamma\\dagger)3#4%"/M'"#')2'-"#'?&&3'gB./2/"+&*MRF''!

[!]K,)!;= Z9!!M.H.,+!\$0!K,.)!],.I&-M&.!AW;= Z9:Z;D[C:E>!]

^{&#}x27;&!c8,.I&!,-'!4H56H-G\$-!!S]\$.\$-&.G@!X-h#&GWG!H-!,-!*-R+HG8!]\$#-\)Y!!9BP!

^{&#}x27;'!2\$,.!!SK&'H5,+!V-\$7+&'R&!,-'!%8&!*,.+)!K\$'&.-!*-R+HG8!]\$.\$-&.gG!X-h#&GWY!!D=B!

2. '?"#&'''; &/*)\$2\(\frac{1}{3}\) (\frac{1}{3}\) (\frac{1}\) (\frac{1}{3}\) (\frac{1}\) (\frac{1}\) (\frac{1}\) (\frac{1}{3}\) (\frac{1}\) (\frac{1}\) (\frac{1}\) (\frac{1}\) (\frac{1}\

,)?%).</"B-+'

X&"B8&@!J; %&=' 9!

- ("G&#A'k)\$-"/*F'"#\$!0..2\$D<)/-!O&)-6\$2D(.E!G52/*-#\$'!; *6#!B*F\$2-\$!?E4\$&&\$/6! >\$@\$'*\$-!C.2!,5''\$/!<*-4#)/4\$-9!)/'!H-5)&&!I/C*2@*6*\$-J!

- 12N)3#.3A'C/3'pF'"#\$!Q)2'*/)&!.C!Q#Y6*&&./!*/!?/8&)/'9!KZL[\KZMK!]!)!1)1\$2!2\$)'!./!

 KP!V.F\$@A\$2!K[[09!A\$C.2\$!6#\$!:585\$/.6!-.4*\$6+!.C!S./'./'02.4\$\$'*/8-!.C!6#\$!:585\$/.6!

 ...4*\$6+!.C!S./'./'d)3'C3<\)#-'"3*'Q/&3\$-fF'O.\45&'hF'\.3*.3^\'(4<4&3.2'H.\\$)&2+'.0'

 \[.3*.3F'9Wb7F'9=7t7W\!
- , &" 5 A'H"/"F' "#\$! "2*)&!. C!X\$) //\$!Q)6#\$2*/\$]!I/C) /6*4* '\$!*/!?)2&+! < . '\$2/!W\$/\$F)F' D./.32.^'Y3); &/#)2+'.0'D./.32.'!/&##A'7879F'
- , &"22)&A'JF' 6 F'PH\$"\&#'.0'J4#2)\$&^'_&0&3#&'].43#&\\"3*'2-&'C3<\\)#-']/)5)3"\\'D/)"\\')3'2-&'C)<-2&&32-'"3*'>)3&2&&32-']&324/)&#FR'S);!)/'!:*-6.2+!>\$F*\$; 'bA'3.F'7'd9bb9f^'779t@=F'-22B#^qq*.)F./<q98F7h8=q=Zh@ZbF''
- _&;&/&"4VA'H) 5 .3F'PQ/.5 'H&##) .3#'2.'>&G#B"B&/o']/)5)3"%'D/)"%'k&B./2)3<A'2-&'>"24/&'
 .0']/)5&A'"3*'2-&'`.3*.3'!/&##A'9==8t9W88FR'D-&'`.3*.3'J.4/3"%'h7A'3.F'9'd788=f^'9t
 7=F'-22B#^qq*.)F./<q98F99=bq9=Zb@h78=V9=7bhbF!
- Q./?&#A'DFkF'P'!&/\$);"\\'!.22'!&/0./5#'"'!.#25./2&5FR'(5\&\\$6*/!.C!6#\$!V\$;!_.2=!34)'\\$@+!.C!<\\$'*4*/\\$!\9\A'3.F'7'\d9b=\f^'7=7t=@F'!

- KY!1]F'].5B&3*)45'.0']-&5)\$"%'D&/5)3.%.<+A'73*'&*F'd2-&'up.%*',...NufF'].5B)%&*'
 ?+'1F'_F'6\$>"4<-2'"3*'1F'L)%N)3#.3F',%"\$NG&%"H\$)&32)0)\$'!4?%)\$"2).3#A':V0./*'d9bb=fF'
 s 6`'.3T%)3&'\$.//&\$2&*';&/#).3^'-22B^qq<.%*?..NF)4B"\$F./<'d788@Tf'\$/&"2&*'?+'6F'>)\$A'JF'
 J)/"2A',F'I.#"2"e'4B*"2&#'\$.5B)%&*'?+'1F'J&3N)3#F'KH,>'8Tb@=W\\8TbTWF'
 -22B#^qq*.)F./<q98F9h\9q<.%*?..NF!
- '`"3*#5"3A'H2&B-"3F'P: 3&' (43*/&*'j&"/#'.0'k&\$2)24*&^'6&*)\$"\\"L)23&##&#'"2'2-&':\\"',\"\\&+A'9=9=t9W9=FR'S);!)/'!:*-6.2+!>\$F*\$;'9@A'3.F'hF'9bbWF'ZZ\tbZF'
 -22B#^qq*.)F./<q98F7h8=q=ZZ7Z9F'!
- `"3<?&)3A'J.-3'(F'"#\$!%2*8*/-!.C!3'F\$2-)2+!Q2*@*/)&!"2*)&J': V0./*^': V0./**'Y3);&/#)2+'!/&##A'7898F!

- 6 \$ I &3U)&A' 1 3*/&"F'Pg ()#' , "/?"/. 4#'Y#"<&#MA' (&/'gC;)%'D.3<4&M^'] "/"\$2&/'"3*'] %"##')3' D/)"%#'0./'HB.4#&' 6 4/*&/'"2'2-&': %*' , ")%&+A'9@=ZT

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