8(&:\$)5(\$-!&*!.#\$!\,E,-,&0!&*!]\$/,-2'.,E\$!K5.&G'.\$)!P3-.\$G-!*&(!.#\$!8(&:\$--,0/!&*!2\$/,-2'.,E\$!)&:5G\$0.-!'0)!(\$8&(.-!*&(!8592,: '.,&0!&0!.#\$!J\$0\$('2!K--\$G923\[-!H\$9-,.\$?!

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/?!"#\$!G\$G9\$(!G'3!0&.!5-\$!(\$G&.\$!8'(.,:,8'.,&0!)5\$!.&!8\$(-&0'2!G'..\$(-!G&(\$!.#'0!.H&!G\$\$.,0/-! 8\$(!:'2\$0)'(!3\$'(!&50)\$)!58!.&!.#\$!G\$\$.,0/-!#\$2)!8\$(!:'2\$0)'(!3\$'(!(&50)\$)!58!.&!.#\$!0\$F.! H#&2\$!05G9\$(0!H#,:#\$E\$(!,-!/(\$'.\$(?!

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- >?! ; ')\$.h 1,2,. '(3!K**',(-b!"#\$!; ')\$.h 1,2,. '(3!K**',(-!; &GG,..\$\$!,-!(\$-8&0-,92\$!*&(! &E\$(-,/#.!&*!'22!:')\$.!':.,E,.,\$-D!G,2,. '(3!**',(-D!9'((':V-!&8\$('.,&0-D!.#\$!d'.!],0\$D!.#\$!(\$/,G\$0.'2!-3-.\$GD!.#\$!:2'--!-3-.\$GD!.#\$!dL"; !8(&/('GD!.#\$!:&GG,--,&0,0/!&*!:')\$.-D!40.('G5('2!P8&(.-D!'0)!; 259!P8&(.-?!
- R?! <u>K.#2\$.,:-</u>b!"#\$!K.#2\$.,:-!; &GG,..\$\$!,-!(\$-8&0-,92\$!*&(!&E\$(-,/#.!&*!'22!G'..\$(-! (\$2'.,0/!.&!.#\$!40-.,.5.\$N-!,0.\$(:&22\$/,'.\$!'.#2\$.,:-D!,0:25),0/!:&0*\$(\$0:\$!'**,2,'.,&0!'0)!: &G82,'0:\$!H,.#!^; KK!(52\$-!'0)!(\$/52'.,&0-?!"#\$!; &GG,..\$\$!-#'22!,0.\$(*':\$!H,.#!.#\$!i\$3)\$.!; 259!&0!*,0'0:,'2!-588&(.!*&(!-:#&2'(-#,8-!'0)!'.#2\$.,:!)\$8'(.G\$0.&(8!i\$3)\$.!

- #?!\\$E\$2&8!'!-\$.!&*!05'2,*,:'.,&0-!'0)!:&G8\$.\$0:,\$-!*&(!G\$G9\$(-#,8!&0!.#\$!%&'()!*&(!'88(&E'2!93!.#\$!%&'()!'0)!(\$:&GG\$0)'.,&0!.&!.#\$!J&E\$(0&(?!
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- @@?! "#\$!_(\$-,)\$0.!G'3!'88&,0.!')!#&:!:&GG,..\$\$-!'-!)\$\$G\$)!0\$:\$--'(3?!P5:#!:&GG,..\$\$-!-#'22!9\$!:(\$'.\$)!*&(!2,G,.\$)!85(8&-\$-!'0)!\$F,-.!*&(!'!*,0,.\$!8\$(,&)!&*!.,G\$?!"#\$!_(\$-,)\$0.!-#'22!)\$*,0\$!9&.#!.#\$!85(8&-\$!'0)!)5('.,&0!&*!'03!-5:#!:&GG,..\$\$!58&0!,.-!'88&,0.G\$0.?!"#\$!_(\$-,)\$0.!H,22!'88&,0.!&0\$!G\$G9\$(!&*!.#\$!%&'()!\$':#!3\$'(!H#&!H,22!-\$(E\$!&0!9&.#!.#\$!K5),.D!S,0'0:\$D!'0)!_2'00,0/!'0)!K.#2\$.,:!;&GG,..\$\$-?!"#,-!G\$G9\$(!H,22!'..\$0)D!\$,.#\$(!,0!8\$(-&0!&(!\$2\$:.(&0,:'223D!'.!2\$'-.!&0\$!&*!.#\$!-\$G,A'005'2!G\$\$.,0/-!&*!.#\$!^*;KK!K:')\$G,:!_(&/(\$--!d'.\$!'0)!K:')\$G,:!4G8(&E\$G\$0.!_2'0!;&GG,..\$\$!:#',(\$)!93!.#\$!\\$85.3!P58\$(,0.\$0)\$0.!*&(!S,0'0:\$D!K)G,0,-.('.,&0D!'0)!P588&(.?!"#\$!_(\$-,)\$0.!G'3!'2-&!'88&,0.!'!G\$G9\$(!&*!.#\$!%&'()!.&!-\$(E\$!'-!'0!\$FA&**,:,&!G\$G9\$(!&*!'03!;'G8',/0!MF\$:5.,E\$!;&GG,..\$\$!.#'.!,-!\$-.'92,-#\$)!*&(!:'8,.'2!*50),0/!:'G8',/0-!:&0)5:.\$)!&0!9\$#'2*!&*!.#\$!40-.,.5.\$?!
 - @=?! "#\$!_(\$-,)\$0.!,-!'0!\$F\&**,:,&!G\$G9\$(!&*!'22!-.'0),0/!'0)!')!#&:!:&GG,..\$\$-?!
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- @?! %&'()!G\$G9\$(-!'(\$!\$F8\$:.\$)!.&!G',0.',0!#,/#!-.'0)'()-!&*!8\$(-&0'2!'0)!
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- =?! 40!'::&()'0:\$!H,.#!+<=?=A@CZ!&*!.#\$!;&)\$!&*!+,(/,0,'D!.#\$!J&E\$(O&(!G'3!(\$G&E\$!'!%&'()!G\$G9\$(!*&(!G'2*\$'-'0:\$D!G,-*\$'-'0:\$D!,0:&G8\$.\$0:\$D!&(!/(&--!0\$/2\$::!&*!)5.3!'0)!*,22!.#\$!E':'0:3?!40!-5:#!:'-\$-!.#\$!J&E\$(O&(!H,22!-\$.!*&(.#!,0!'!H(,...\$0!8592,:!-.'.\$G\$0.!.#\$!(\$'-&0-!*(\$:&GGBGT\$6:9\$0!!\$!H,.#!

&*!G\$G9\$(-#,8!&0!.#\$!%&'()!.#\$!G'0)'.&(3!\$)5:'.,&0'2!8(&/('G!*&(!/&E\$(0,0/!9&'()-!)\$.',2\$)!,0!+<=>?@A@>CR!&*!.#\$!;&)\$!&*!+,(/,0,'!H,.#&5.!-5**,:,\$0.!:'5-\$!-#'22!9\$!(\$G&E\$)?!

R?! 40!'03!:'-\$!,0!H#,:#!.#\$!'9&E\$!/(&50)-!*&(!(\$G&E'2!'88\$'(!.&!9\$!8(\$-\$0.D!.#\$! _(\$-,)\$0.!-#'22!,0*&(G!.#\$!G\$G9\$(!,0!H(,,,0/!'0)!8(&E,)\$!'!(\$'-&0'92\$!&88&(.50,,3!*&(!.#\$!%&'()!G\$G9\$(!.&!(\$-8&0)!'0)!.&!8(&E,)\$!:'5-\$!*&(!'9-\$0:\$-?!! P5:#!0&.,:\$!'0)!(\$-8&0-\$!G'3!.#\$0!9\$! .('0-G,..\$)!.&!.#\$!(\$G',0,0/!%&'()!G\$G9\$(-!*&(!':.,&0?!!K!G'I&(,,3!E&.\$!&*!.#\$!(\$G',0,0/!%&'()!G\$G9\$(-!.#'.!.#\$!-.'.\$)!:'5-\$!,-!0&.!-5**,:,\$0.!,-!(\$05,(\$)!*&(!(\$G&E'2?!!T8&0!-5:#!'!E&.\$D!.#\$!%&'()N-!':.,&0!H,22!9\$!:\$(.,*,\$)D!(\$:&()\$)!,0!.#\$!G,05.\$-!*&(!.#\$!G\$\$.,0/!'.!H#,:#!.#\$!E&.\$!,-!..'V\$0D!'0)!.('0-G,..\$)!.&!.#\$!J&E\$(0&(?!+S&22&H,0/!-5:#!':.,&0-D!.#\$!&**,:\$!&*!-5:#!G\$G9\$(!-#'22!9\$!E':'.\$)?!

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.#\$!:#,\$*!\$F\$:5.,E\$!&**,:\$(!&*!.#\$!40-.,.5.\$D!(\$-8&0-,92\$!'0)!(\$8&(.,0/!.&!.#\$!%&'()!,0!'22!(\$-8\$:.-?!

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'?!'..\$0)!'22!G\$\$.,0/-!&*!.#\$!%&'()!'0)!-#'22!#'E\$!0&.,:\$!&*!'0)!.#\$!8(,E,2\$/\$! &*!'..\$0),0/!'22!G\$\$.,0/-!&*!,.-!:&GG,..\$\$-c!

9?!9\$!(\$-8&0-,92\$!*&(!.#\$!&8\$('.,&0!&*!.#\$!40-.,.5.\$!,0!:&0*&(G,.3!H,.#!.#\$! 85(8&-\$-!'0)!8&2,:,\$-!)\$.\$(G,0\$)!93!.#\$!%&'()D!,0:25),0/!G'0'/\$G\$0.!&*!.#\$!*':52.3!'0)!-.'**!,0! -5:#!'!H'3!'-!.&!*':,2,.'.\$!.#\$!'::&G82,-#G\$0.!&*!.#\$!/&'2-!'0)!8(,&(.,,\$-!&*!.#\$!40-.,.5.\$c!

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V?!8(\$-\$0.!.#\$!'005'2!*,0'0:,'2!-.'.\$G\$0.-!&*!.#\$!40-.,.5.\$!.&!.#\$!%&'()!&*!+,-,.&(-D! .#\$!P\$:(\$.'(3!&*!M)5:'.,&0D!'0)!.&!.#\$!K5),.&(!&*!_592,:!K::&50.-!'-!(\$05,(\$)!93!-.'.5.\$D!'0)!.&! /,E\$!.#\$!%&'()!'0!58)'.\$!&*!40-.,.5.\$!G'..\$(-!'.!\$':#!G\$\$.,0/!&*!.#\$!%&'()c!

2?!9\$!(\$-8&0-,92\$!*&(!.#\$!40-.,.5.\$\[0.1':')\$G,:D!'.#2\$.,:D!'O)!G,2,.'(3!8(&/('G-D!,0:25),0/!G',0.',0,0/!:&G82,'0:\$!H,.#!.#\$!(\$/52'.,&O-D!(52\$-D!'O)!-.'O)'()-!&*!\$F.\$(O'2!&(/'O,U'.,&O-!.#'.!'::(\$),.!.#&-\$!8(&/('G-c!'O)!

G!!8\$(*&(G!-5:#!&.#\$(!)5.,\$-!'-!G'3!9\$!'--,/0\$)!93!.#\$!%&'()!!

- @?! K.!,.-!'005'2!G\$\$.,0/!\$':#!3\$'(!a&(!'-!-&&0!'-!,-!8(':.,:'2!,0!.#\$!:'-\$!&*!'! E':'0:3aD!.#\$!%&'()D!,0!:&0-52.'.,&0!H,.#!.#\$!P58\$(,0.\$0)\$0.D!-#'22!'88&,0.!'!G\$G9\$(!&*!.#\$! P58\$(,0.\$0)\$0.N-!-.'**!.&!-\$(E\$!'-!P\$:(\$.'(3!.&!.#\$!
- =?! "#\$!P\$:(\$.'(3!.&!.#\$!%&'())!'.!.#\$!),(\$:.,&0!&*!.#\$!_(\$-,)\$0.!'0)!50)\$(!-58\$(E,-,&0! &*!.#\$!P58\$(,0.\$0)\$0.]!-#'22!9\$!(\$-8&0-,92\$!*&(!8(&E,),0/!0&.,:\$!'0)!8(\$8'(,0/!G,05.\$-!&*!'22! G\$\$.,0/-!&*!.#\$!%&'()?!!"#\$!P\$:(\$.'(3!-#'22!G'V\$!'22!0\$:\$--'(3!82'0-!'0)!'(('0/\$G\$0.-!*&(!G\$\$.,0/-!'0))!/\$0\$('223)!*':,2,.'.\$!:&GG50,:'.,&0!H,.#!'0)!8(&E,-,&0!&*!,0*&(G'.,&0!.&!.#\$! G\$G9\$(-!&*!.#\$!%&'()?!"#\$!P\$:(\$.'(3!'2-&!,-!(\$-8&0-,92\$|*&(!\$0-5(,0/!.#'.!.#\$!%&'()!:&G82,\$-! H,.#!'03!'0)!'22!-.'.5.&(3!(\$8&(.,0/!(\$05,(\$G\$0.-!'-!G'3!*(&G!.,G\$A.&A.,G\$!9\$!\$-.'92,-#\$)?!

"#\$!P58\$(,0.\$0)\$0.!-#'22!\$G82&3!-5:#!&.#\$(!')G,0,-.('.&(-D!*':52.3D!'0)!-.'**!'-!#\$!&(!-#\$D!,0!'.9\$(!&!*(.'(3!'2-&!

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9?!"#$!/$0$('2!-.'.5.&(3!8(&E,-,&0-!'882,: '92$!.&!%&'()-!&*!+,-,.&(-0!,0:25),0/!
.#$!+,(/,0,'!S($$)&G!&*!40*&(G'.,&0!K:.!'0)!.#$!+,(/,0,'!P.'.$!'0)!]&: '2!
J &E$(0G$0.!; &0*2,:.!&*!40.$($-.-!K:.c!

:?!"#$!%3A2'H-!&*!.#$!%&'()!&*!+,-,.&(-!&*!.#$!+,(/,0,'!1,2,.'(3!40-.,.5.$c!

)?!"#$!40-.,.5.$N-!1,--,&0!P.'.$G$0.c!

$?!"#$!40-.,.5.$N-!:5(($0.!P.('.$/,:!_2'0!'0)!K005'2!L8$('.,0/!%5)/$.c!

*?!"#$!+,(/,0,'!1,2,.'(3!40-.,.5.$!; &)$!&*!M.#,:-c!'0)!

/?!"#$!P.'.$G$0.!&*!J&E$(0'0:$!&*!.#$!%&'()!&*!+,-,.&(-!&*!.#$!+,(/,0,'!1,2,.'(3!40-.,.5.$?!
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>?! "#\$!:&0.\$0.-!&*!.#\$!%&'()N-! 1 '05'2!-#'22!0&.!9\$!2,G,.\$)!&(!(\$)5:\$)!\$F:\$8.!93! \$F8(\$--!),(\$:.,&0!&*!.#\$!%&'()?!40!')),.,&0!.&!.#\$!%&'()! 1 '05'2D!.#\$!P\$:(\$.'(3!-#'22!:&G8,2\$!'0)! G',0.',0!'!:&22\$:.,&0!&*!&.#\$(!)&:5G\$0.-!'0)!G'V\$!.#\$G!'E',2'92\$!*&(!%&'()!(\$*\$(\$0:\$D!,0:25),0/b!

'?!"#\$!\$G82&3G\$0.!:&0.(':.-!&*!.#\$!P58\$(,0.\$0)\$0.D!.#\$!\\$85.3!P58\$(,0.\$0)\$0.! *&(!S,0'0:\$D!K)G,0,-.('.,&0D!'0)!P588&(.D!.#\$!\\$'0D!.#\$!;&GG'0)1.1=(/?)T\$G6')\$0.D!.#\$!\$4.0!'\:\$

