!

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!
"#$%&!'(!)*$+,%-,.%/,'01!"#$%&'&(#)!&*!"')+#&%&,)-!../$01%!2&,/$3$&/-!4$&53#$+'-!
"#$%&'&(#)!&*!6$/7!
"#$%&!'(!2'3*$/$0+$1!"#$%&'&(#)!&*!8+$5/+5!!
!
4562"789:!
9::;! "#<=<-!"#$%&'&(#)-!>&?@!A/$B5?'$3)!!
!"#$%&'()*&+'"(%,-(.,/%,&(.,&''"%O&#*,l())'&+*-2(%,-()#,-3(8C(5?B$'&?D!83C1?3!
```

4&35?&! 6 <!/*''&+0*\$#, 7<!PC01/'!1'!. /\$01\\'<!R/!. <! 65?3\\,!\\\$57T!B'2'\\''0+(\@\\, -C**D(*, (E, #\$\\\\)65?3\\,.!\\\$73]((!

```
4&35?&-! 6 !S9 : 99T<! 2#$0 (1/Z55!85 [C1\! 45\!1B\$\&?<!R/!G<!8\!1+\@5\\*\&?7!SF7T!G+'(H\%\$C'\\#-7'(
@%, -C**D(*/(9A*6=&#*, %"8(!'"2; '0&#A'2(*, (F':=%6(!280+*6*78($210V?$7,5!P1/7V&&@'!$/!
"'')+#&%&,)T3(W&%CO5!E-!2&/3?&B5?'$5'-!.((%$+13$&/-!1/7!\&/#CO1/!"'?$O135!F[35/'$&/'-!
210 V?$7,5D!210 V?$7,5!A/$B5?'$3)!"?5''-!(<M]]0M^;<!!
4&35?&-! 6 <!$9:9HT3!" ?$ 0 135!" 1?5/3'D!G#5&?$5'-!4$1'!1/7!2#1/,5!$/!3#5!83C7)!&*!3#5!
F8$C*6#0(9A*6=&#*,-!a[*&?7!A/$B5?'$3)!"?5''<!a/\$\/5!(CV\\$+13\\&/!7135!61)!9:9H<!
\mathbb{R}/!2?1'/\&U!8<!^*!R/3501//!b!SF7'<!TG+'(B^*=\&6'-7'(>'\$\#,\#2\&(!+\#6*2*;+8(*/(FO\#',0'(=-1.5)))))
@\%, -C**D3(I\&/7\&/!1/7! \setminus 5U!>\&?@D!Q&C3\\57,5\<!
4&35?&! 6 <!$9:9:T!" ?$ 0 135! a ?(#1/'<!R/D!W&/@!J<-!8#1+@5\*&?7!G<!\$57'T!9,0806*; '-#\%(*/C
E, \# \%(H*7, \#\&\#*, (\%, -(5'+\%A\#*''<!8(?$/,5?<!
4&35?&-!6<!`!c#13%5)-!F<!S9:9:T!P1?0-!2&/'5/3-!1/7!W$?3C1%!85%B5'!$/!dC%%!4&7)!
aU/5?'#$(!R\\C'\$\'D!O51\\!2\&/+5?\'!\*\&?!ROO5?'\\B5!W\\$?3C1\\!O51\\\3)!G\#5?1(\\$5'!\C(+\&\O\$/.<!
H%$C"#-7'(I=%"&'"68(*/(@'%6&+0%"'(9&+#02-!2\$/$+1\!\\5C?&53#$+'!R''C5-!B&\!9;!SET-!(<!
]e]0];H<!
4&35?&-! 6 <-!`!=5'*&?,5'-!=<!$9:9:T<!Q&\\5!&\!\W1\\C5'!\\/!FB1\\C13\\&/!&\!3\\5!\&\\!5!\\&\\
\&/#CO1/!./$O1\\'!\$/!O5'51?+#\<!F\\\*0#'\&8(J(E,\#\$\\\\62\]((\\!HOHe\\!!
4&35?&-! 6 <-! I 1 / ,\5) -! P <! . <-! \ !W5/31-! . <!$9 : 9 : T <! G#5! C / 35 / 1 V\\5! & 0 $' '\$ & /! \$ *! 3 & C + #! \$ /!
0 135?/1\!'5/'\$\$\B\$\$\)!1/7!1331+#05/3!?5'51?+#<!.,/%, &(\%, -(H+\(\mathcal{H}\)-(<'A'6\(\mathcal{H}\);\$\', \&-\!KL\$\9\T-\!
59H];<
4&35?&-! 6 <!$9: H; T<!A/75?'31/7$/,!3#5! 6 &?1\|\!RO (\|\$+13\|\&\/'!\&\!!\.6 &?,1/f'!21/\&/<!\|R/!\|G+'(
B*=\&6'-7'(@\%, -C**D(*/(E, #$\%6(9\&+#02!S((<!M]0E9T<!Q&C3\%57,5<!
=C7Z$/'@$-!b<!6<-!P$\\\-!P<!6<-!\!4&35?\&-!6<!\$9:H;T<!653#\&7\&\\&,\$+1\\\!2\&/'\$75\?13\\&/'!*\&?!
2&0 (1?$'&/!&*!2?&''0'(5+$5'!A'5!&*!G1+3$\\5!2&/31+3\!..\&''',\\\delta\#*,\\\6(M*='',\\6(*/(
H*$: %''\%\#A'(!280+*6*78-!NK<!
4\&35\%-16<
2&, \$$\&\/!\$\!2#\$\O(\1\Z55\\\!\b\\!\.\7?5U\\!\\!\\\!45+\@!\$F7\\\\-!\G+\'(B*=\blace'\6'\-7'\(\@\%,\-C**D(*/\(\ext{1}\))
E, \#\$\%() \#, -2((<!
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4&35?&-! 6 <!$9: HNT!G&! c #13!b$/7!&*!Q5'51?+#!G#5)!21/!=$''5/3g!G#5!Q&\\5!3\#13!
1/7!.''5/3!3&!2#$0(1/Z55'!C'57!$/!F[(5?$05/313$&/<!H%$C"#-7'(I=%"&'"68(*/
@ '%6&+0%"'(9&+#021(W&\C05!9^!S9T!(<!9ee0; H<!
4&35?&-! 6 <!$9: H^T!G1+3\\5''!8+\$5/3\\3''-!R, \&?\\,!G\\&C+\\!\$/!3\\5!83C7)!\&\\!J\\\\$\\3!. 335/3\\&\<!
! +#6*2*; +#0%6(!280+*6*78(9;D!H9::0H9HE3!!
4&35?&-! 6 <-!4C++1*C?/$-!=<!`!=5'*&?,5'-!=<!S9:H^T!P&U!6C+#!8#&C\7!3\#5!"5&(\5!b/\&Ug!
RO(%$+13$&/'!&*!653#&7&%&,$+1%!2#&$+5'!$/!G#5!83C7)!&*!R/35/3$&/1%$3)!1/7!4%105!
. '+?$(3$&/'-!E;;6#'-(!280+*6*78(%,-(H"#$#,%6(M=2&#0'<!H9DH:H0HHM(
4&35?&-! 6 <!$9: H^T!=513#!$/!3#5!d10$\\) \<!E, #$\%(F', &#', 0'!\) \HT! (<!E:<!
4&35?&-! 6 <!$9: HET<! P&U!" ?$ 0 135! 6 &3#5?'!1/7!R/*1/3'!2&0 0 C/$+135-!2#1?1+35?$Z$/,!
R/35?1+3$&/!$/! 6 &3#5?0R/*1/3!83C7$5'!..+?&''!8(5+$5'<!R/!6<!''$/1!`!\<! &/3$5?!$F7'<T-!G+'(
9A*6=4\#*, (*/(F*0\#\%(H*\$\$=,\#0\%\#*,(\#,(!'\#\$\%'20(E())=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S((<!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S((<!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#-\#20\#;6\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#,\%''8(E;;''*\%0+(S(((*!eM0))=64\#,\%''8(E;))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(E((*!eM0))=64\#,\%''(
H: T<!I&/7&/D!8(?$/.5?<!
!!
4&35?&-! 6 <-! 6 1+=&/1\(\)7-!8<-! \(^!\) 6 \(^!\)8': P(!\)9: HMT! . / [\(^!\)53\)0?5\(^!\)1357! 45\(^!\)18\(^!\)8': A?(\(^!\)1/!
2 \# \$0 (1/Z55'!\$.\%, (\&"*76*-8\&'2(20+R'\#, /="\&+\#T!13! \& 0 V5! \setminus 13\%./1\%!"1?@-!G1/Z1/\$1<!
! "#$%&'2-!W&\CO5!]E!SHTD!9H09^<!
4&35?&-! 6 <!$9: H9T!Q5+& / '3?C+3$ / ,!U$3#! 6 &?5!8$3C1357!8&+$1\text{!R}/35?1+3\text{$\!8}/ '-!9 $ *\text{$\text{$\text{$\!8}}$", (
B'A#'R-!ED!9E^0^<!
G+'*"'&#0%6(!280+*6*78(.,&'",%&#*,%6(!+#6*2*;+#0%6(%,-(!"%0&#0%6(H*,0'",2-!G&?&/3&D!
21(3C'!A/$B5?'$3)!"CV\\$+13\\&/'\<!!
A''C!?$N,$L&!F?$($#$$EOG!!
4&35?&-! 6 1?$1<!$9:99T<!4?$/,$/,!V1+@! 0 &?1\$3)!3&!1/$ 0 1\!?5'51?+#!53\$+'<! ) '\&\20\#',0'<!
MH<!H0E<!
!
4&35?&-! 6 <!$9: HNT!O5B$5U!&*!G', 2'(5''2(%, -(F+'66TF+*0D'-(H"\cong C20(E"'(E, #$\cdot\square)20(E)'')
H*, 20#*=2U!G#5!"#$\&'&(#5?'f! 6 1, 1Z$/5!$N; T-!(<!HH90HHM<!!
4&35?&-! 6 <!$9: H^T! \ 1B$, 13$/, !3#5! I 1/7'+1(5!&*!3#5!. /$0 1\\! 6$/7-!. /!R/35?7\$'+\$(\\\$/1?)!
J\&C?/5)-!F*0#'\&8(J(E, #$\%2!S9ET-!(<!e]0eeh<!
4\&35?\&-!\ 6<!\$9: H9T!Q5B\$5U!\&*!G+'(!''\#\$\%'()\#, -1(5=\#6\&(\&*(H*, , 'O\&(R\#\&+(V\&+'''())\#, -2-!))))
d?1/'!4<! 6<!75! c 11\|\!1/7!\\$5?!d?1/+5'+&!d5??1?\!SF7\3&?'T-!9:H9! ) '\|\%;280+\*6\*78(B'A\|'R2(
V, 6#, '1!W&\C O 5!H^-!R' 'C5!M]<!
```

```
4&35?&-! 6 <-!$9:H:T!Q5B$5U!&*!H*7, #&#A'(<'A'6*;$',&(#,(H+#$;%,W''2-!6<!613'CZ1U1-!
6 <!G& 0 &/1, 1-! `! 6 <!G1/1@1-!$F7' <T<!G+'(M*=", %6(*/(<'A'6*; $', &\%6(!"*0'22'2-!W&\C 05!
9-!R''C5!9-!((<!HH]0!HH;h<!
!!
4&35?&-! 6 <!$9::;T!Q5B$5U!&*!V, /6*RX(<8, \% $#02(*/(H*, 20#*=2, '22(%, -(9:; '"#', 0'(Q<!
"?57-! 6 RG!"?5''<! ) '&%; 280+*6*78(B'A#'R2(V, 6#, '-!W&\C 0 5!H:-!R''C5!MH<!
P $J!A%&$E!<QJ-,+%/,' 0&!
4&35?&-! 6 !$ \ &B5 0 V5?-!9:9:T!2#$0 (1/Z55'!2&??5+3!2C\3C?1\\!4\$1'5'! . V&C3!P&U! &&7!
6 &3#5?'!45#1B5<!E'*, Y!280+'(
#33('Dii(')+#5<+&i$751'i+#$0(1/Z55'0+&??5+30+C\3C?1\0V\$1'5'01V\&C\30\#&U0,\&\700\&3\frac{4}{5}'0
V5#1B5!
#33(Dii(#$\&'&(#)&*V?1$/'<+&Oi9:H]i:Ni9:i$/3?&7C+$/,001?$10V&35?&<1'([!!
4&35?&-! 6 <!$9::;T<! 6 &?5!3#1/!=5'$, /$/,!1/!F3#&,?10-!G#5!R0 (\%+13\&/'!&*!2#&&'\$/,!1!
6 53#&7&\\dotk\dots,)!\$/!"\?\$0 13&\\dotk\dots,)\<!!'+#6*2*;+8(*/(F0#',0'(E"0+#A'\<!
#33(Dii(#$%'+$01?+#$B5<($33<57Ci]9MEi!
<D,-'&'*D,+%-!7#%0&-%/,'0&!!
8(1/$'#!G?1/'\13\&/!P&'\5-!W<!S9::9T!"\13\&!1/7!=1?U\$\\'0\<!Z,#A'"2#&\\2(!+#6\*2\*;+#0\\!M;-!
(<!HH0Ee<!!
29:R4?4:24!<?4)4:7"789:)!F?$($#$$EG!!
```

A'\$/,!3#5!G5/53'!&*! a '35&(13#\$+! 6 57\$+\$/5!1'!2C??\$+C\1?!G\#5 0 5'\!8\#1?\&/!_C'3\&U'\@\\$!= a-! 6 "P-! 6 1?\\$1!4\&35?\&-!\"\#\<=\!J1\\$05!P\\$/\&\&\'1-! 6 =\!1/7! 6 \\\#5\\5!P\\\,\\#3-!\"\\\=\!

• . . 2 a 6!.//C1\%!2\&/*5?5/+5-!=5/B5?-!.(?\%!9:99\<!!

RO (1+3!&*!"#\$\&'&(#)0V1'57!F7C+13\&/!&/!2?\3\\$+1\\!G#\\$/@\\$/,!1/7!2&0 OC/\\$+13\&/!\\$/!d\\$?'30 >51?!a'35&(13#\\$+!657\\$+1\\!83C75/3'<!8#1?\&/!_C'3\&U'@\\$!=a-!6"P-!61?\\$1!4\&35?\&-!"#<=<!
J1\05!P\\$/\&L\&'1-!6=!1/7!6\\$+#5\\5!P1\\$,#3-!"#<=<!!

• . . 2 a 6!.//C1\\!2\&/*5\?5/+5-!.(\?\\\!9:9\H!

• G#5!8&+\$53)!*&?!"#\$\&'&(#)!1/7!"')+#&\&,)-!JC/5!9:9H!!

9E3#!

 $G\#5!d\&\&@!\ .\ ?5!3\#5!F[\ (5?3'!\&?!3\#5!R??5\&5B1/+5!\&*!''\#\&\&'\&(\#5?'!3\&!\ .\ /\$01\&!F3\#\$+'!2\&00\$3355']$

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6 &?5!3#1/!=5'$, /$/,!1/!F3#&,?10D!G#5!R0(\$+13\&/'!&*!2#&&'\$/,!1!653#&7&\&,)!\$/!
"?$013&\\&,)<!
   • FC?&(51/!.''&+$13$&/!&*!"#$\&'&(#)!&*!8+$5/+5-!a+3&V5?!9::;-!W?$L5!A/$B5?'$3)-!
       . 0'35?710-!G#5! \setminus 53#5?\%1/7'<!
45)&/7!8@$/!1/7!P1$?D!./!F[35/757!6$/7!2&/+5(3$&/!&*!3#5!2#$0(1/Z55!6$/7<!
      2&,\$\$\D!F0V&7\$57-!F0V57757-!F\1+3\$B5-!F\[35\757-!a+3\&V5?!9::\N-!A\$B5?'\$3\)!
      &*!25/3?1\%!d\%\&?\$71-!a?\%1/7\&-!dI\<!!
• R/35?/13\&/1\!8&+\$53)!\*&?!G\#5&?53\\+1\\!''\)+\#&\\&,)-\!JC/5\!9::N-\!G\&?\&/3\&-\!
   21/171<!
G$05!1'!3#5! c 5V!&*!Q51\$3)D!G#5!2&/+5(3!&*!G$05!\$/!2&, /\$3\B5!8+\$5/+5!
   • 8&+$53)!*&?!"#$\\&'&(#)!1/7!"')+#&\\&,)-!JC/5!9::N!S(&'35?T-!G&?&/3&-!21/171<!
!
.!\5C?&(#)'$&%,$+1\!.((?&1+#!3&!3#5!HN3#!25/3C?)!=$'3$/+3$&/!453U55/!"?$01?)!1/7!
85+&/71?)!"?&(5?3$5'!&*!b/&U\\\57,5!
   • d&C?3#!R/35?/13$&/1\!2\&/,?5''!&*!"#$\\&'\&(\#)!\&\*!8+\$5/+5!\&\*!I13\$/!. 05?\$+1-!61)!
      9::9!.,C1!75!I$/7&#$1-!4?1'$\\<!
• "#$%&'&(#)!"?&*5''&?'!2&%%&m
```

```
1!=5+$'$&/!3&!O53$?5!2#$0(1/Z55'!*?&0!O5'51?+#!1'!1! C$75\$/5!*&?!3#5!A'5!&*!./$01\\'!
$/!Q5'51?+#!
   • 25/3?1\(\)!G5[1'!c\(\)?\(\)!\(\)!\(\)\(\)!F3\(\)\(\)+'-!\(\)\(\)?\(\)!\(\):-!9:\(\)H:-!9:\(\)\(\)\(\)!\(\)
G\&C+\#!1/7!" ?$ 0 135'D!" C'#$/,!a (5/!3#5!=&&?'!&*!8&+$1\\!"5?+5(3\\&/!
   • 8&C3#5?/!8&+$53)!*&?!"#$%&'&(#)!1/7!"')+#&%&.)-!61?+#!9:H^-!I&C$'B$\\5-!b><!!
1Z5!1/7!G&C+#!$/!3#5!83C7)!&*!PC01/!1/7!\&/0#C01/!J&$/3!.335/3$&/!!
   • "#$\&'&(#)!=5(1?305/3-!61)!9:H]-!A/$B5?'$3)!&*!P&C'3&/-!P&C'3&/-!GX<!
6 53#&7'!1/7! 6 $/7!$/!3#5!83C7)!&*!. (5! 6 &3#5?0R/*1/3!R/35?1+3$&/!
   • "')+#&%.)!=5(1?305/3-!'+#57C\\57!\&?!JC\\)!9:H]-!+&C\\7!/\&\\3!1\\35/7!\\&\?!(5?'\&/1\\!
       ?51'&/'-!A/$B5?'$3)!&*!F1'3!I&/7&/-!I&/7&/-!F/,\1/7<!
Fc2.GpF3#$+'-!c5'35?/!2$B$\$Z13$&/-!1/7!.O5?\$+1/!G?17\$3\&/'D!./!F[(5?\$O5/3!\$/!
G?1/'*&?013$&/1$!F7C+13$&/1!$P5/7?$+@'&/-!75!21'3?&-!d1$?-!4&35?&-!1/7!b?$5/@5T!!
       "'?5'5/313$&/!13!3#5!2&\\5.5!&*!F7C+13\&/!2&\\6mC\CO!d1\\-!9:HM-!810!P&C'3&/!
       83135!A/$B5?'$3)-!PC/3'B$\\5-!GX<!!
2#$0 (1/Z55'!$/! &0 V5-! 6 $/7!1/7!F 0 &3$&/!$/! 6 &3#5?0R/*1/3!R/35?1+3$&/!!
       2 P88!2&\\&mC\$C O -!d1\\\!9 : H : -!81 O !P&C'3&/!83135!A/\$B5?'\$3)-!PC/3'B\\\\5-!GX\!!
"#$%&'&(#)!1'!1!"5?*&?013$B5!.+3D!F0($?$+1%)!R/*&?057!"#$%&'&(#)!1/7!aV'5?B13$&/'!$/!
2#$0 (1/Z55'!
   • F0($?$+1\\)!R/*&?057!"#$\&'&(#)-!=5(1?305/3!2&/*5?5/+5-!.(?\\)!9::^-!>&?@!
       A/$B5?'$3)-!G&?&/3&-!21/171<!
"5?'(5+3$B5'!&/!"#$\&'&(#)!&*!8+$5/+5!$/!I13$/!. 05?$+1!
       "#$%&'&(#)!I5+3C?5'-!61)!9::H-!"&/3$*$+$1!A/$B5?'$717!J1B5?$1/1-!4&,&30-!
       2 &\\& 0 V\$1<!
"2"54;82!"P"?5)!)2@9="?)@8<)!":5!@9:96?)!!
 )+D'-%#&D.*&!!
                       :%*&'&7$;.94,"-,9.'"8"#9<$%=>>$%"\88*+"\2*('\?7\\@7.7*24,\$\8A.(725\$
 9:99!
                       B*2'*\C''(72''\%=>>\D; EF0\H3*1\I*(,''8'\D4''J; EF\$*\&3\K*17.\$=*2-72\D4''J
                       :EF$
                       9, 7%7#, 7(F&=-', &2(#, (H''#&#0%6(E, \%82#2(*/(F0#', 0'(C8(Z2#, 7(
 9:9H09M!
                       E0&#A'(4'%", #, 71(F/, 1, 57! I51?/$/,!d5\\&U'#$(!SF I dT<!". 2 F!
                       25/35?-!8P8A!!
                       k8&+$1\!2\, \/$3\\&/!\\&/0PCO1/!. /\$O1\\'D!.!\\#\\&\\&(\#\\+1\\!!
 9:9H!
                        . /1%) '$'1<!d. 8G!. U1?7'!"?&,?10-!FAQF2..!25/35?!.7B$'&?)!
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!	2&C/+\$%-!8P8A-!61?\$1!4&35?&!\$17B\$'&?T!I1C?1!4\$1/+#\$!1/7!J&#/!</th></tr><tr><td>!</td><td>_C%%5)!SC/75?,?17C135!'3C75/3'T!!</td></tr><tr><td>9:9:!!</td><td></td></tr><tr><td>!</td><td>!kRO(1+3!&*!!"#\$%&'&(#)0V1'57!F7C+13\$&/!&/!2?\$3\$+1%!G#\$/@\$/,!</td></tr><tr><td>!</td><td>1/7!2&0 0 C/\$+13\$&/!\$/!d\$?'30>51?! a '35&(13#\$+! 6 57\$+1\\!83C75/3'-</td></tr><tr><td>!</td><td>2&\\5,5!&*! a '35&(13#\\$+! 6 57\\$+\\$/5-!8P8A1\!8#1?\&/!_C'3\&U'@\\$!</td></tr><tr><td>!</td><td>S"RT-! 6 1?\$1!4&35?&!S+&0"RT-! 6 \$+#5\\\5!P1\\$, \#3!S2 a 0"RT!</td></tr><tr><td>9:He!</td><td>!</td></tr><tr><td>!</td><td>a **\$+5!&*!Q5'51?+#!8(&/'&?!"?&,?10'!SaQ8"T-!61?\$1!4&35?&!</td></tr><tr><td>!</td><td>S"RT-!k"?\$0135!21?5,\$B5?'!1/7!G#5!8&+\$1\\!6\$/71!R/7\$B\$7C1\\!</td></tr><tr><td>!</td><td>8+#&\1?'#\(!''?\&,?10-!a*\\$+5!\&\!Q5'51?+#!1/7!8(\&/'\&?57!</td></tr><tr><td>!</td><td>"?&,?10'!0!R/35?/1\"?1/3!"?&,?10'-!8P8A!!</td></tr><tr><td>9:HN!</td><td>!</td></tr><tr><td>!</td><td>$8P8A!d1+C\%3$)!=5B5\\&(05/3!I51B5\\Sd=\IT\!S\.U1\?7!\?1/357\!V\)!1!</td></tr><tr><td>!</td><td>C/\$B5?'\$3)!(55?0?5B\$5U57!+&0 0 \$3355!3&!'5\\5+357!(?&(&'1\\'-!1U1?7</td></tr><tr><td rowspan=5></td><td>*\$/1/+5'!'1\1?)!*&?!&/5!'505'35?!3&!V5!75B&357!3&!?5'51?+#T!!</td></tr><tr><td>!</td></tr><tr><td>a **\$+5!&*!Q5'51?+#!8(&/'&?!"?&,?10'!SaQ8"T!8P8A!_?1/357!</td></tr><tr><td>?5'51?+#!*C/7'!3&!+&/7C+3!&V'5?B13\$&/'!&*!+1(3\$B5!(&(C\13\&/!&*!</td></tr><tr><td>7&\(#\\$/'-!QR 6 8-!Q&13o/-!P&/7C?1'!</td></tr><tr><td>!</td><td></td></tr><tr><td>9:H9!</td><td></td></tr></tbody></table>
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@'0'#&!

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)4?S824!79!7@4!6:8S4?)87>!

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)4?S824!79!7@4!<?9R4))89:!
UQ$&/!4E,/'#!!
G#5!.,&'",%#*,%6(M*=",%6(*/(H*$;%"%#A'(!280+*6*78|SRJ2"T!8(5+$1\text{!R''C5D!F}(1/7\),!
"5?+5(3$&/D!G#5!Q&\\\5!\&\*!G\\&C+\#!\\\/!2\&\O(1?13\\\B5!\\\\\)+\#\&\\\&\,)!
Philpapers
F7$3&?!!
45#1B$&?1%!F+&%&,)!
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)/QE$0/!)Q*$#N,&,'0!
                       R%+Q-/M!"EN,&"#!; +: %,#!<#"\\$+/!
                       9:9:09:99!
                       kG#5!.B5/C5!&*!.,5/+)1!
9:H;09:9:!
9:He09:H:!
                       kP&(5-!_?\$5*-!1/7!6&?1\\!8313C'!\$/!\&/0\#C01/!./\$01\\'1!
                       k 6 &?1\%!RO (\%\$+13\$\&/'!\$/!3\#5!=5B5\\&(05/3!\&\*!.?3\$\*\$1\%!
                       R/35\%\%, 5/+5!S. < R< T1!
9:H^09:HN!!!!!
                       k 6 57$313$&/!1/7!2&/'+$&C'/5''!$/!8(&?3'1!
                       G#5!Q\&/1\%7!F<!6+\1\$?!"\&'3V1++1\%1C?5135!.+#\$5B505/3!"?\&,?10!
                       $'!75'$, /57!3&!(?&B$75!31\\\5/357!\\&U0\\$/+&05i!\\\\\\\$?'3!,5/5\\?1\\\\\\\\?1\/7!
                       53#/$+! 0 $/&?$3)!C/75?,?17C135!'3C75/3'!U$3#!5**5+3$B5!
                       (?5(1?13$&/!*&?!7&+3&?1\\!'3C7)!V)!(?&B\$7\\,!&((&?3C/\$3\\5'!*\&?!
                       C/75?,?17C135'!3&!75*$/5!3#5$?!,&1\\dagger'-!75B5\\&(!?5'51?+\tau!'@\\\dagger'!1/7!
                       5/,1,5!\$/!?5'51?+#<!
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