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"#\$%&'()\*!\*,!-\$&./0\$+)!1\$#!".%&02!3#\*+)0/!0+!-4#\*5&0+6!7'60\$+)8!

"'#)4'2/09')!

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) \$\*+, !- . \$+ / 0!1!+0-2!3, 2 / , !+ -!4\$\*+, !#, 5\$2+56 7 #, 8!9!6+ -! \*#52 7 #!+, !:, 5\$#+-:, ; 0%!  
-:;, <:5+, 8!. \$2\*0#7 !:, !86#!) , :8#>!>8+8#-!2?#186#!0+-8!5#, 84\$%@!A6:-!:-! / 2\$86%!2<+88#, 8:2, !\*#5+4-#!  
86#!, #; +8: ?#!24852 7 #-!+--25:+8#=# / :86!- . \$+ / 0!+\$#152, -:=#+\$\*0#@!B?#, ! / :86:, !86#!\$#0+8: ?#0%!, +\$\$2 / !  
52, <:, #-!2<!8\$, - . 2\$8+8:2, C!86#!\$+ 7 <:5+8:2, -!2<!- . \$+ / 0!#D8#, =!82!:-4#-!52, 5#\$, ., ; !. 4\*0:5!6#+086C!  
86#!#, ?:\$2, 7 #, 8C!+, =!86#!#52, 2 7 %@!E!=\$:?, ; !<+582\$!\*#6:, =!86#!52, -#F4#, 5#-!2<!- . \$+ / 0!:-!8-!  
8#, =#, 5%!82! . \$:2\$:8:G#! . #-\$2, +0!+482 7 2\*:0#-!+!+! . \$: 7 +\$%! 7 #+, -!2<!8\$, - . 2\$8+8:2, @!A6#-#!  
52, -#F4#, 5#-! / :00!\*#!\$#?:# / #=#:, !<4\$86#\$!=#8+:0!:, !86#!<2002 / :, ; !. +; #-@!H, !+, !+88# 7 . 8!82!52 7 \*+8!  
86#!, #; +8: ?#!#<<#58-!2<!- . \$+ / 0C!. 4\*0:5!2<<:5:+0-C!8\$, -:8!+; #, 5:#-C!+, =! . 0+, , #-\$!6+?#! 7 +=#!  
-:;, <:5+, 8!:, ?#-8 7 #, 8-!:, !. 4\*0:5!8\$, - . 2\$8+8:2, !2?#186#!0+-8!-#?#+\$0!=#5+=#-C!\*48!86#-#!#<<2\$8-!  
6+?#!-62 / , !0:880#! . \$2; \$#-!:-!, !:, 5\$#+-:, ; !8\$, -:8!\$=#\$-6: . !+, =!\$#=45:, ; !+482 7 2\*:0#!=# . #, =#, 5%!:, !  
- . \$+ / 0:, ; !5:8:#-@!

I+8!\$#-#+\$56!2, !. 4\*0:5!8\$, -:8!:, ! ) >!5:8#-!:-!0+\$; #0%152 7 . \$:-#=#!2<!\*\$2+=C!F4+, 8:8+8: ?#!  
+, +0%-#-!2, !86#!:, <04#, 5#-!2<!\$=#\$-6: . @! J+\$:24-!5+-#!-84=#-!6+?#!\*##, !52, =458#=#!2, !8\$, -:8!  
\$=#\$-6: . !:, !86#!) >C!\*48!86#%!+\$#!2<8#, !0: 7 :8#=#:, !86+8!86#%!+K!<254-!-20#0%!2, !F4+, 8:8+8: ?#!=#+8+C!\*K!  
0: 7 :8!86#:\$!-52. #!82!+!-:, ; 0#!5:8%!2\$!52 7 . +\$:-2, !\*#8 / ##, !+!<# / !5:8:#-C!+, =!5K!=2, L8!+==#\$--!86#!  
4, :F4#!56+00#, ; #-!86+8!- . \$+ / 0:, ; !5:8:#-!<+5#!:, !:, 5\$#+-:, ; !8\$, -:8!\$=#\$-6: . !MN2:-020%C! ' P&QR!  
" 4=; ; 2, =+C!SG\*+%C!T!N+\$8+, C! ' P&UR!V\$<:, !T!>#, #C! ' P&WK@!E==:8:2, +00%C!86# \$#!:-!+!0+53!2<!  
F4+0:8+8: ?#!\$#-#+\$56!2, !8\$, -:8!\$=#\$-6: . !:, !- . \$+ / 0:, ; !\$#; ; 2, -!+5\$2--!86#!) , :8#>!>8+8#-@!A6:-! . + . #!  
2<<#\$-! . \$2 7 :-:, ; !-2048:2, -!82!=#50:, ; , ; !. 4\*0:5!8\$, -:8!\$=#\$-6: . !

2\$=#\$!82!=#8#\$7:,#!.20:5%!\$#5277#, =+8:2, -!86+8!+\$#!\*#-8!-4:8#=#!<2\$!8\$, -:-8!-%-8#7 -!=#+0:, ;! / :86!  
4\$\*+, !- . \$+ / 0@!!

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### 3#145.'0\* /!

)\$\*+,!.0+, ,:, ;!+, =!=#?#02. 7#, 8!:, !86#!) , :8#=#!>8+8#-!6+-!#?20?#=#!-:, ; :<:5+, 80%!-:, 5#!86#!  
<:-\$!4\$\*+, !.0+, ,:, ;!52, <#\$#, 5#!:, !&QUQC!\*48!.0+, ,:, ;!+;#, 5:#-! / :00!, ##=#82!#7 \*\$+5#!:, 84:8:?#!  
:=#+-!82!<:; 68!86#!#, ?:\$2, 7#, 8+0C!6#+086C!+, =!72\*:0:8%!:-4#-!52, <\$2, 8:, ;!- . \$+ / 0:, ;!4\$\*+, !+\$#+-!  
82=+%@!A6#!- . +8:+0!7 +3#4. !2<!5:8:#-!6+-!56+, ;#=#!=\$+7 +8:5+00%!2?#8:7 #C!+, =!, # / !8\$, =-!:, !4\$\*+, !  
;\$2 / 86!+, =!8\$, - . 2\$8+8:2, !, ##=#82!\*#!8+3#, !:, 82!52, -:-#8+8:2, !82!\*+880#!86#!. \$2\*0#7 -!\$+:-#=#!\*%!  
' & !5#, 84\$%!4\$\*+, :-7 @!H, !86#!<2002 / : , ;! . +\$+; \$+ . 6-C!H!=#?#02. !+!<\$+7 # / 2\$3!82!=#<:, #!+, =!  
4, =#\$-8+, =!+! . 2. 40+\$!<2\$7!2<!4\$\*+, !; \$2 / 86!82=+%Y!4\$\*+, !- . \$+ / 0@!) -:, ; !86:-!<\$+7 # / 2\$3C!H! / :00!  
=#72, -8\$+8#!24\$!, ##=#82!\$#86:, 3!86#!<4, 58:2, !2<!8\$, - . 2\$8+8:2, !:, !2\$=#\$!82!527 \*+8!' & !5#, 84\$%!  
:-4#-!\$#; +\$=:, ; !86#!#, ?:\$2, 7#, 8C!72\*:0:8%C!+, =!6#+086!248527 #-@!!

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)\$\*+, !#, 5\$2+567#, 8!:-!+!8#\$7!86+8!6+-!\*#527#!+! . 2. 40+\$!\*4GG / 2\$=#82!=#-5\$:\*\$#!\$+ . :=#0!  
#D. +, =:, ;!5:8:#-!+5\$2--!86#!) , :8#=#!>8+8#-C!\*48!86#!5+4-#-C!52, -#F4#, 5#-C!+, =!52, =:8:2, -!2<!- . \$+ / 0!  
+\$#!-8:00! / :=#0!=#\*+8#=#82=+%@!S?#86#!%#+\$-C!+5=#7 :5!-84=#-!6+?#!-24; 68!82!=#<:, #!+, =!  
4, =#\$-8+, =!- . \$+ / 0!4-:, ;!+!?\$:#8%!2<!7 #862=-!1!H! / :00!=\$+ / !<\$27!+!, 47 \*#\$!2<!86#-#!-84=#-!:, !  
2\$=#\$!82!<:, =!+ . . \$2. \$:+8#!\$#:2, -!82!#D+7:, @!Z2\$!#D+7 . 0#C!\$#-#+\$56#\$-!<\$27!86#!H, =:+, !H, -8:848#!  
2<!>5:#, 5#!:, !N+, ;+02\$#!52, 5#. 84+00!=#<:, #=#!- . \$+ / 0!+-!86#!\$#-408!2<!4, . 0+, #=#!+, =!4, 52, 8\$200#=#!  
;\$2 / 86!M>4=6:\$+!T! [ +7 +56+, =+\$C! 'PP\K@!) -:, ; !86:-!=#<:, :8:2, C!86#!\$#-#+\$56#\$-!7+ . #=#!248!

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" #\$\$%!X!



5# , -4-cl+ , =!-#?#\$+0!64 , =\$#=!8624-+ , =!-#0<9\$# . 2\$8#=\$#- . 2 , =# , 8-! : , !2\$=#\$!82!=#8#\$ 7 : , #!86#!

527 72, !-:; , !2<!- . \$+ / 00!!E- !+!\$#-408C!+:\$. 20048:2, C!\$2+=!52, ; #-8:2, C!+, =!. 22\$#\$!6#+086!24852 7 #-!

1!+00!2<! / 6:56!+\$#!\$#0+8#=#!

8\$, - : 8! \$ = # \$ - 6 : . ! 6 + - ! \* ## , ! = # 5 0 : , : , ; ! : , ! - . : 8 # ! 2 < ! 7 + - - : ? # ! 8 \$ + , - : 8 ! : , ? # - 8 7 # , 8 - ! 2 ? # \$ ! 8 6 # ! 0 + - 8 ! = # 5 + = # @ !



,#;+8:?!6#+086!248527#-@!E==:8:2,+00%0!86#!.2-:8:?!\$#0+8:2,-6:.\*#8/##,!6:;6#\$!.4\*0:5!8\$+,-:8!  
4-#!+,,=!02/#\$!#7:--:2,!0#?#0-!6+-!2\*?:24-!#,?:\$2,7#,8+0!+,,=!6#+086!\*#,#<:8-@!A6#\$#!:-!+0-2!-27#!  
\$#-#+\$56!82!-4;#-8!86+8!86#!-:7.0#!+58!2<!4-:,;!.4\*0:5!8\$+,-:8!7+%!52\$#\$-.2,=!82!\*#88#\$!6#+086!  
248527#-!+,,=;!#8#\$!-+<#8%!:,!8\$+?#0@!E!'P&X!-84=%!5200#58#=#+8+!<\$27!WU(!.+\$8:5:.+,8-!9!  
-#.\$+8#=#\*%!8\$+,-:8!+,,=!,2,98\$+,-:8!4-#\$-!9!+,,=!<24,=!86+8!8\$+,-:8!4-#\$-!2,!+?#8+;#!6+#!7456!  
72\$#!=#+0%!6%-:5+0!+58:?:8%!86+,,!,2,98\$+,-:8!4-#\$-!M>+0#,-!#!+0@!'P&XK@!A6:-!-!0:3#0%!86#!\$#-408!  
2<!86#!g<:\$-89+,,=90+-897:0#h!.\$2\*0#7Y!:@#0!86#!+ / 3 / +\$=#!=-:8+,5#!86+8!-#.\$+8#-!527748#\$-!<\$27!  
8\$+,-:8!-8+8:2,-!+,,=!86#\$!<:,+0!=#-8:,+8:2,@!H,!72-8!5+-#-C!86#!<:\$-8!+,,=!0+-8!7:0#!527748#!:,?20?#-!  
/ +03:,; !2\$!\*:3:,;C! / 6:56!#D.0+:, -! / 6%!8\$+,-:8!4-#\$-!6+?#!72\$#!=#+0%!+?#8+;#!.6%-:5+0!+58:?:8%!  
86+,,!,2,98\$+,-:8!4-#\$-@!  
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! a#-.:8#!86#!7408:<+5#8#=#\*#,#<:8-!86+8!.4\*0:5!8\$+,-:8!.\$2?:=#-!82!5:8:#-!+,,=!\$#-:#,8-C!  
8\$+,-:8!\$=#\$-6:!.!:,!86#!),:8#=#!>8+8#-!:-!?!#%102 / !+,,=!52,8:,4#-!82!=#50:,#@!H,!(&!2<!86#!,+8:2,L-!  
0+\$;#-8!]P!4\$\*+,!+\$#+-C!8\$+,-:8!\$=#\$-6:!.!6+-!=\$2..#=#\*%!+8!0#+-8!&]b!2?#86#!0+-8!=#5+=#!  
MSL8220#C!'P&QK@!A6#!fS J H a 9&U!.+,,=#7:5!#D+5#\$\*+8#=#86:-!8\$#,,=!9!5:8:#-!+5\$2--!86#!)>!  
#D.#\$:#,5#=#!#D8\$#7#!=\$2.-!:,!8\$+,-:8!\$=#\$-6:!.!<\$27!'P&U!82!'P'P!MN#\$;+0C!'P'&K@!H,!-#?#8!5+-#-C!  
\*4-!\$=#\$-6:!.!:,!.0+5#-!0:3#!c+-6?:00#!+,,=!f6+88+,22;+!<#00!\*%!72\$#!86+,,!WPb!MI+\$3#\$!#8!+0@!  
'P'&K@!A6#!<:,4\$#!\*#02 / !?:-4+0:G#-!86:-!8\$#,,=#\*%!-62 / :,,; !\$=#\$-6:!.!-8+8-8:5-!:,!7+,%!2<!86#!  
,+8:2,L-!0+\$;#-8!5:8:#-C!6:;60:;68:,;!-:,;,:<:5+,8!=#50:,#-!:,!\$=#\$-6:!.!:,!7+02\$!5:8:#-!86\$24;6248!86#!  
)@>!2?#86#!.+8!=#5+=#!MSL8220#C!'P&QK@!

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! A6#-#18\$# ,=-!+\$#! .+\$8:540+\$0!

.\$2\*0#7 +8:5! , !0: ; 68!2<186#! 7 +--: ?#!

: , ?#-87 # , 8-!86+8!025+0C!-8+8#C!+ , =!

<#=#\$+0! ; 2?#\$ , 7 # , 8-!6+?#! .48! : , 82!

8\$+ , -:8!-8#7 -! : , !#\$5# , 8!%#+\$-@!A2!

8+3#!04-8!2 , #!#D+ 7 .0#C!+ , !+\$8:50#!

.4\*0:-6#=#\*%! , 28#=#86+8!

`2-!E , ; #0#-! " #8\$2!-+ / !+!&U b !=\$2 .!

: , !\$:=#\$-6: .!<\$27!'P&X!82!'P&\!=#- .:8#! ! ! "#\$%&'(! ! ! !

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" #\$\$!&P!

52, 5# . 8:2, C!+, !+\$8:50#! . 4\*0:-6#=:!, ! !+0-2!52, 504=#=!86+8!N [ A!-%-8# 7 -C! / 6#, !  
. \$2. #S0%!: 7 . 0# 7 #, 8#=#C!5+, !. \$2?:=#!+! 7 2=#\$, !+ . . \$2+56!82! . 4\*0:5!8\$, - :8!+8!+!<\$+58:2, !2<!86#!52-8!  
2<!8\$+=:8:2, +0!\$+:0!0:, #-!M a #, ; !T! c #0-2, C! ' P&&K@!V: ?#, !86#!5+\$95#, 8\$:5!+, =!62\$:G2, 8+0!, +84\$#!2<!  
- . \$+ / 0:, ; !S#; :2, -C!:, ?#-8 7 #, 8!:, !N [ A! 7 +%!\*#!+!?:+\*0#!-2048:2, !<2\$!8\$, - :8!-%-8# 7 -!0223:, ; !82!  
: 7 . \$2?#!86#:\$!-#\$?:5#0!  
! !E, !#<<#58: ?#!. 4\*0:5!8\$, - :8!-%-8# 7 !:, 504=#-! 7 408:9 7 2=+0!<2\$ 7 -!2<!8\$, - . 2\$8+8:2, !:, !2\$=#\$!  
82!:, 5\$#+-#!52, , #58:?:8%!+, =!+55#--!<2\$!\$#-:=#, 8-@!E-!, 28#=#!+\*2?#C!N [ A!:-!+!; 22=-!-8+\$8C!\*48!  
+==:8:2, +0! 7 2=#-!2<!8\$, - :8!, ##=#82!\*#!: 7 . 0# 7 #, 8#=#!: !2\$=#\$!82!:, 5\$#+-#!8\$, - :8!52, , #58:?:8%@!E-!  
. \$#?:24-0%! 7 #, 8:2, #=#C!+!0#+=:, ; !:-4#! / :86! . 4\*0:5!8\$, - :8!52, , #58:?:8%:-!5+00#=#86#!g<:\$-8!+, =!0+-8!  
7:0#h! . \$2\*0# 7 @!S, #! 7 2=#!2<!8\$, - :8!86+8!:-!\$+ . :=0%!\*#: , ; !: 7 . 0# 7 #, 8#=#82! 7 +3#!86#!<:\$-8!+, =!0+-8!  
7:0#!2<!+!8\$, - :8!8\$: . ! 7 2\$#!+55#--:\*0#!:-! @!A6:-!<2\$ 7 !2<!8\$, - :8!+002 / -! . #2 . 0#!82!\$#, 8!248!  
\*:3#-!+8!-#0#58!025+8:2, -!+5\$2--!86#!5:8%C!864-!; :?:, ; !52 7 7 48#\$-! / :86248!+!5+\$!52, ?#, :#, 8!+55#--!  
82!, #+\$\*%!\*4-!+, =!\$+:0!-8+8:2, -@!A6:-!52, 5# . 8!6+-!##, !# 7 . :\$5+00%!-84=#=#%!B00:28!Z:-6 7 +, C!+!  
=#\$582\$!+8!A6#!H, -8:848#!<2\$!>#, -:\*0#!A\$, - . 2\$8C!+, =!6:-!\$#-#+\$56!-4; ; #8-!86+8!\*:3#!-6+\$#!  
. \$2; \$+ 7 -!+\$#!+!?:+\*0#!+08#\$, +8: ?#!<2\$! 7 +, %! / 62! / 240=!286#\$ / :-#!4-#!+!5+\$!MZ:-6 7 +, !#8!+0@! ' P& (K@!  
A2!:, 5\$#+-#!86#!48:0:G+8:2, !2<!\*:3#!-6+\$#! . \$2; \$+ 7 -C!-2 7 #!\$#-#+\$56#\$-!6+?#! . \$2 . 2-#=#86+8! . \$: ?+8#!  
52 7 . +, :#-!-6240=! / 2\$3!502-#0%! / :86!8\$, - :8!2 . #+\$82\$-!:, !2\$=#\$!82!5\$#+8#!52, , #58:?:8%!\*#8 / ##, !86#!  
8 / 2! 7 2=#-!2<!8\$, - :8!MV\$:<<:, C! ' P&WK@!>: 7 :0+\$!82!\*:3#!-6+\$#C!#9-5228#\$-! 7 +%!+0-2!-#\$?#!+!-!+, !  
#<<#58: ?#!-2048:2, !82!<:\$-8!+, =!0+-8! 7 :0#!8\$, - :8!+55#--@!A6:-!-#\$?:5#!+002 / -!52, -4 7 #-\$!82!#+-:0%!\$#, 8!  
#0#58\$:5!-5228#\$-!<2\$!-62\$8!\$, ; #!52 7 7 48#-C!+, =!8! 7 +%!\*#! 7 2\$#!#<<#58: ?#!86+, !\*:3#!-6+\$#!:, !-2 7 #!  
+\$#+-!\*#5+4-#!86#!-5228#\$-! =2, L8!6+?#!82!\*#!. :53#=#4 . !2\$!=\$2 . . #=#!2<<!+8!+!- . #5:<:5!025+8:2, @!N:3#!  
-6+\$#!+, =!#9-5228#\$! . \$2; \$+ 7 -! 7 +%!6#0 . !:, 5\$#+-#!8\$, - :8!4-#!+, =!52, , #58:?:8%C! . +\$8:540+\$0%!: , !

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-. \$+ / 0: , ; c!5+\$95# , 8\$:5!+\$#+-!86+8!+\$#!0#--!0:3#0%!82!6+?#!52 , ?# , :# , 8!+ , =!+<<2\$=+\*0#!<:\$-8!+ , =!0+-8!  
7:0#!+55#--@!

! S<!524\$-#C!7+ , %! / :00! , #?##!2 . 8!82!4-#!\*:3#!-6+\$#!2\$!#9-5228#-\$-!2?##!=\$?: , ; @!H , !\$#- . 2 , -#!

82!86:-C!-27 #!8\$+ , -:8!+ ; # , 5:#-C!0:3#!`E! " #8\$2C!6+?#!\*# ; 4 , !: , -8:848: , ; !\$:=#!-6+\$: , ; ! . \$2 ; \$+7 -!+-!+!

72=#!2<!8\$+ , -:8!ME7+82C!'P'&K@!A6#-#! . \$2 ; \$+7 -!<4 , 58:2 , !0:3#! ) \*# \$!2\$!`%<8C! / 6#\$#\*%!8\$+ , -:8!\$:=#-\$-!

5+ , ! . +%!<2\$!+!\$:=#!82!86#:\$!< , +0!=#-8: , +8:2 , !2\$!82!+!8\$+ , -:8!-8+8:2 , @!E4862\$-!6+?#!5:8#=#86#!

: , 8# ; \$+8:2 , !2<!86#-#! . \$2 ; \$+7 -!+-!64 ; #0%!\*# , #<:5:+0!: , !# , 6+ , 5: , ; !8\$+ , -:8!72\*:0:8%!+ , =!+55#--!

M>8: ; 0:5!#8!+0@!'P&QK@!!

! ^ 6:0#!86#-#!: , :8+:8: ?#-!+\$#!<254-#=#!+8!7+3: , ; !8\$+ , -:8!72\$#!52 , ?# , :# , 8C!86# \$#!+\$#!-27 #!

<+:\$0%!52 , 8\$2?#-\$:+0! . 20:5:#-!\*#: , ; !52 , -:=\$#\$=#86+8! / 240=!7+3#!=\$?: , ; !+!5+\$!0#--!52 , ?# , :# , 8@!Z2\$!

#D+7 .0#C! . 4\*0:5!2<<:5:+0-!: , !`2-!E , ; #0#-!6+?#! . \$2 . 2-#=#! : 7 .0#7 # , 8: , ; !52 , ; #-8:2 , ! . \$:5: , ; C!+!

. 20:5%!86+8! / 240=!56+\$ ; #! . #2 .0#!<2\$!=\$?: , ; !2 , !5#\$8+: , !2+=-!+8!5#\$8+: , !8:7 #-!2<!86#!=+% !MZ2 , #-5+C!

'P'&K

\*#-8!<2\$!+00!8\$+, -!8!-%-8#7 -c!8!:-!+0-2!: 7 .2\$8+, 8!82!4, =#\$-8+, =! / 6+8!7 #862=-!+\$#!\*#-8!-4:8#=#<2\$!  
- .#5:<:5!4\$\*+, !+\$#+-@!A6:-!\$#-#+\$56!#D+7:, #-!8\$+, -:8!+;#, 5:#-!:, !- . \$+ / 0:, ;!\$#;:2, -!:, !2\$=#\$!82!  
=#8#\$7:, #! / 6:56!7 #862=-!+\$#!86#!72-8!. \$27:-:, ;!<2\$!:, 5\$#+-:, ;!.4\*0:5!8\$+, -:8!\$:=#\$-6:..!  
- .#5:<:5+00%!:, !86#-#!+\$#+-@!

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! A2!\*#88#\$!4, =#\$-8+, =!62 / !8\$+, -:8!-%-8#7 -!5+, !+=+. 8!82!86#!56+00#, ;#-!.\$#-#, 8#=#!\*%!4\$\*+, !  
- . \$+ / 0c!86:-!-84=%!; +86#\$-!F4+0:8+8: ?#!=+8+!<\$27!8\$+, -:8!#D. #8-!:, !86#!<2\$7!2<!2.#, 9#, =#=#!  
:, 8#\$?:# / -@!A6:-!\$#-#+\$56!:, 52\$. 2\$+8#-!:, 9=#. 86!#D+7 .0#-!2<!\$#. 2\$8#=#!:-4#-!+, =!-455#--<40!  
+ . . \$2+56#-!82!. 4\*0:5!8\$+, -:8!:, !- . \$+ / 0:, ;!5:8:#-@!A\$+, -:8!#D. #8-! / #8#!:, 8#\$?:# / #=#!:, !- . \$+ / 0:, ;!  
+\$#+-!82!\*#88#\$!4, =#\$-8+, =!86#:\$!. #8- . #58: ?#!2, !86#!4, :F4#!=:<<:5408:#-!86#-#!\$#;:2, -!<+5#@!  
E==:8:2, +00%c!86#!:, 8#\$?:# / -!<254-#=#!2, !86#!54\$\$#, 8!2.:, :2, -!8\$+, -:8!#D. #8-!6+?#!+\*248!: 7 . \$2?

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+-.! .28# ,8:+0!5+-#!-84=%!-4\*0#58-@!E==:8:2 ,+00C!86#\$\$!+\$#!+! ,47 \*# \$!2<!4\$\*+ ,!+\$#+-!86+8!=2 ,L8!-52\$#!  
+-!6: ;60%!<2\$!: ,=:5+82\$-!2<!. \$+ / 0!M-456!+-!` 2-!E , ;#0#-KC!\*48!H!-8:00! ,504=#=!86# 7 !: ,!86#!-84=%@!  
A6#\$\$!+\$#!8 / 2! . \$: 7 +\$#!\$#+-2 , -!<2\$!86:-!+K!86#-#! 7 #8\$2 . 20:8+ , !\$\$: ;2 , -!+\$#!3 , 2 / , !<2\$!02 / 9=# , -:8%!  
+ , =!4 , . 0+ , , #=!4\$\*+ , !=#?#02 . 7 # , 8!+ , !=\*K!86#!8\$+ , -:8!+ ; # , 5:#-! / :86: , !86#-#!+\$#+-!-# \$?#!+!0+\$ ; #C!  
7 2\$#!- . \$+ / 0: , ; !\$\$: ;2 , !86+ , !86#!5:8%!:8-#0<@! ^ :86!86:-!: , !7 : , =C!H!+0-2!52 , -:=#\$#! \_24-82 , C!E4-8: , C!  
+ , !=!` 2-!E , ;#0#-! / 6# , !\$\$+56: , ; !248!82!8\$+ , -:8!#D . # \$8-@!  
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! H , :8:+0! =+8+!5200#58:2 , !\*# ; + , ! / :86! : , 8#\$?:# / -!<\$2 7 !8\$+ , -:8!2<<:5:+0-!\$# . \$#-# , 8: , ; !86#!  
7 #8\$2 . 20:8+ , !\$\$: ;2 , -!2<! \_24-82 , C! a +00+-C!` 2-!E , ;#0#-C!+ , !=E80+ , 8+@! a 4#!82! =:<<:5408:#-!-#54\$: , ;!  
: , 8#\$?:# / -! / :86!2<<:5:+0-! / :86: , !8\$+ , -:8!+ ; # , 5:#-C! : , 8#\$?:# / -! / # \$#!+0-2!52 , =458# =! / :86!#D . # \$8-!  
/ 62!6+?#! =2 , #!+! ?+ \$: #8% !2<!\$#-#+\$56!2 , ! ) >!8\$+ , -:8!-%-8# 7 -@!H , 8#\$?:# / -!<\*0#58-! / # \$#!<:\$-8!<24 , =! : , !

0#?#0@!H!+0-2!\$#52; ,:G#!86+8!7+, %!- . \$+ / 0: , ; ! \$# ; :2, -!6+?#! 7 408: .0#!8\$+, - :8!+ ; #, 5:#-C!-2!-2 7 #!2<186#!  
: , 8#\$?:# / -!H!52, =458#=#!7+%!, 28!\*#!\$# . \$#-# , 8+8: ?#!2<186#!\$# ; :2, !+ -!+! / 620#@!H, !86#!<484\$#C!86:-!  
\$#-#+\$56!5240=!\*#!: 7 . \$2?#=#!%!= \$+ / : , ; !2, !=+8+!<2 7 !-#?#\$+0!; , 8#\$?:# / ##-!; , !+00!2<186#! . \$2 . 2-#=#!  
5:8:#-!; , !2\$=#\$!82!; +: , !+! 7 2\$#!620:-8:5!4, =#\$-8+, =: , ; !2<186#! . # \$- . #58: ?#-!<2 7 !8\$+, - :8!#D . # \$8-@!  
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! H!52, =458#=#!-#?# , !: , 8#\$?:# / -! / :86!8\$+, - :8!#D . # \$8-!<2 7 !<24\$! =: <<# \$# , 8!- . \$+ / 0: , ; !5:8:#-!82!  
#D . 02\$#!86#:\$! . # \$- . #58: ?#-!2 , !: --4#-!<+5: , ; ! . 4\*0:5!8\$+, - :8!; , !86#:\$!\$# ; :2, @!A6#! . 4\$ . 2-#!2<186#-#!  
: , 8#\$?:# / -! / +-!82! =#8\$ 7 : , #! / 6%!8\$+, - :8!\$:=# \$-6: . !: , !- . \$+ / 0: , ; ! \$# ; :2, -! / +-! =#50: , : , ; !+ , =!  
#-8+\*0:-6!-6+\$#=#!2 . : , :2, -!2, !62 / !82!; , 5\$#+-#!\$:=# \$-6: . @!S ?#\$!86#!524\$-#!2<186#!; , 8#\$?:# / ! . \$25#--C!  
H!0#+\$ , #=#!86+8!86#!; , 8#\$?:# / ##-! \*#0: #?#=#!86+8!86#!F4+0:8%!2<186#!8\$+, - :8!#D . # \$: #, 5#M: @#C!#+-#!2<14-#C!  
50#+ , 0: , #-C!2\$!\$#0: +\*0:8%K! / +-!04-8!+-! : 7 . 2\$8+, 8!82!\$:=# \$-6: . !0#?#0-!+-!86#!52?# \$+ ; #!2<186#!8\$+, - :8!  
-%-8# 7 @!H, !286#\$! / 2\$=-C!86#\$#!+\$#!-#?#\$+0!52, 5# . 8-!86+8C!+8!<+5#!?+04#C!2, 0%#D . 02\$#!86#!F4+0:8%!2<  
8\$+, - :8!-#\$?:5#C!\*48!86#!-6240=!+0-2! \*#!? : # / #=#!+-!<+582\$-!86+8! =: # \$580!+<<#5!8\$+, - :8!\$:=# \$-6: . @!E-!  
-456C! , 28#!86+8!86#!82 . :5-! =:-54--#=#! \*#02 / !+\$#!+00!52, - :=# \$#=#!3#%!=#8\$ 7 : , + , 8-!2<1\$:=# \$-6: . !82!86#!  
. +\$8:5: . + , 8-!; , !86:-!-84=%@!  
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! A2!\*#88#\$!4, =#\$-8+, =!86#!4, :F4#!:--4#!86+8!8\$+, - :8!-%-8# 7 -!; , !- . \$+ / 0: , ; ! \$# ; :2, -!<+5#C!H!  
\$#+56#=#!248!82!<24\$!6: ; 690#?#0!8\$+, - :8!# 7 . 02%##-!+ , =!86\$##!8\$+, - :8!#D . # \$8-!86+8!+\$#! / #009?#\$-#=#!; , !  
8\$+, - :8!-%-8# 7 -!86\$24; 6248!86#!) , :8#=#!>8+8#-@!B+56!-4\*0#58!; , 8#\$?:# / #=#!-!0:-8#=#!; , !86#!8+\*0#!  
\*#02 / @!H!6+?#!+--: ; , #=#!\$+, =2 7 !, 4 7 \*#\$-!82!86#!, + 7 #-!2<186#!-4\*0#58-!; , !2\$=#\$!82! 7 +: , 8+: , !86#:\$!  
52, <:=# , 8:+0:8%@!H8!-! : 7 . 2\$8+, 8!82! , 28#!86+8!86#!? : # / -!#D . # \$--#=#! \*%!86#-#!; , =: ? : =4+0-!+\$#! , 28!





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.#=#-8\$:+,!<,\$+-8\$4584\$#!2,!86#!\$2+=!:-,L8!+!7:-8+3#!1!:8L-!2<8#,!=2,#!\*%!=#-:;,!,!,!2\$=#\$!82!\*#,#<:8!

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-8+8#=#86+8!7+,%!5:8:#-!+,=#8\$,,-:8!+;#,5:#-!-##!86#!:7.2\$8+,5#!2<!:-, -8+00:; ;!;22=!\*4-!-82.-C!\*48!

86#\$#!:-!2<8#,!,2!#<<2\$8!2,!#:86#\$!-:=#!82!52774, :5+8#!/:86!2,#!+,286#\$@!

! >#?#\$+0!.+\$8:5:.+,8-!#D.0+:#=#86+8!86#!:=<<:5408:#-!5+4-#=#!\*%!04\$:=-:58:2,+0!:-4#-!;2!<+#!

\*#%2,=!: ,+=#F4+8#!\*4-!-82.-@!Z2\$!#D+7.0#C!+,!2<<:5:+0!<\$27!E80+,8+!#D.0+:#=#86+8!8\$, -:8!

: ,?#-87#,8-!+\$#!7+=#!0#-!#<<#58:?!=4#!82!52774, :5+8:2,!\*+\$\$:#\$-!\*#8/##,!5:8:#-!+,=#8\$,,-:8!

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5\$#+8#-!-#\$:24-!02;:-8:5+0!:-4#-!<2\$!5\$#+8:; ;!;,8#\$52, ,#58#=!8\$+,-:8!-%-8#7-@!A6#-#!#D+7.0#-!  
6:;60:;68!86+8!86#\$#!+\$#!-27#!50#+\$!04\$:-=:58:2,+0!52,<0:58-!86+8!\$#=45#!86#!.28#,8:+0!F4+0:8%!2<!  
.4\*0:5!8\$+,-:8!;,-.\$+/0:; ;!\$#;:2,-@!! ! ! ! ! ! ! ! !  
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! B?#\$%!.+.\$8:5:.,+8!5:8#=!02/9=#,-:8%!=#?#02.7#8!+-!+!3#%!:--4#!<2\$!.4\*0:5!8\$+,-:8!\$:=#-\$-6:..!  
\*#5+4-#!:8!\$#=45#!=!2?#\$+00!+55#--!82!8\$+,-:8!64\*-@!WP b !2<!E80+,8+!.\$2.#!:-!G2,#!=#D504-: ?#0%!<2\$!  
-:; ;0#9<+7:0%!624-:; ;!MN#00+,C!'P'&K@!A6:-!,47\*#\$!:-!#?#,!6:;6#\$:;!86#!;\$#+8#\$!`2-!E,;#0#-!  
\$#;:2,C!/6#\$#!72#\$!86+;!86\$##9F4+\$8#\$-!2<!+00!\$#-:=#,8:+0!0+,=:-!G2,#!=<2\$!-:; ;0#9<+7:0%!624-:; ;!  
M" #,#,=:+,C!f6:69^#:#!T!V+7\*6:\$C!'P' 'K@!A6:-!:-!\$#0#?+,8!82!8\$+,-:8!\$:=#-\$-6:..!\*#5+4-#!8\$+,-:8!  
52\$\$=2\$-!+\$#!86#!72-8!#<<#58: ?#!:-!+\$#+-!86+8!-\$?#86#!;\$#+8#-8!,47\*#\$!2<!.#2.0#@!E-!-456!  
\$#;:2,-!86+8!6+?#!6:;6!\$+8#-!2<!-:; ;0#9<+7:0%!G2,; ; ;

I+\$8:5: . +, 8-!-8+8#=#86+8!86#!-# . +\$+8:2, !2<!\$#-:=#, 8:+0!+, =!52 7 7 #5:+0!4-#-C!524.0#=#! / :86!

7+D: 7 4 7 7 !=#, -:8%!\$#F4:\$# 7 #, 8-!86+8! 7 +3#!86#!\$#;:2, !62\$G2, 8+0!:, !, +84\$#C! 7 +3#-!8!:, #<<:5:#, 8!<2\$!

7+, %!52 7 7 48#\$-!82!; #8!82!+!; \$#+8!=#+0!2<!.0+5#-!:, !86#!5:8%!4-:, ; !2, 0%! . 4\*0:5!8\$+, -:8@!!

! H, !+!-: 7 :0+\$! ?#: , C!-#?#\$+0!:, 8#\$?:# / ##-!:, =:5+8#=#86+8!86#\$\$#!:-!+!-#?#\$#!0+53!2<!: , 8#; \$+8:2, !

\*#8 / ##, !8\$+, -:8!=#?#02. 7 #, 8!+, =!G2, :, ; !. 20:5%@!E-!, 28#=#!: , !86#!. \$#?:24-!-#58:2, C!0+53!2<!

52 7 7 4, :5+8:2, !\*#8 / ##, !8\$+, -:8!+; #, 5:#-!+, =! 7 4, :5: . +0:8:#-!5+, !5\$#+8#!=-<<:5408:#-!<2\$!#<<#58:?!#

8\$+, -:8!-#5#?! I+\$8:5: . +, 8-!-8+8#=#86+8!86#\$\$#!24; 68!82!\*#!+!6#+086%!+ 7 24, 8!2<!52 7 7 4, :5+8:2, !

\*#8 / ##, !+; #, 5:#-!+, =! 7 4, :5: . +0:8:#-!:, !2\$=#\$!82!#, -4\$#!86+8!, # / !8\$+, -:8!. \$20#58-!#\*!48:0:G#=#!82!

86#:\$!<400#-8!. 28#, 8:+0@!

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! A6#!#<<:5:#, 5%!2<!8\$+, -:8!2. \$#+8:2, -! / +-!6#+? :0!#=-:54--#=#!%!: , 8#\$?:# / ##-@!>#5?:5#!

<\$#F4#, 5%!+, =!\$#0:+\* :0:8%! / #5#!4, +, : 7 24-0%!?:# / #=#!+-!-2 7 #!2<!86#!0+\$; #8!:-4#-!\$#0+8#=#!82!

2. \$#+8:2, -@!E!8\$+, -:8!# 7 .02%##!: , !\_24-82, C!<2\$!#D+ 7 .0#C!-+:=!g86#!, 4 7 \*\$#!2, #!:-4#!:, ! 7 2-8!

.0+5#-!:-!86#!<\$#F4#, 5%!2<!8\$+, -:8@!A6#\$\$#!:-!-#5?:5#C!\*48!8!2, 0%!52 7 #-!2, 5#!+, !624\$h!MH, 8#\$?:# / ##!

iXK@!A6:-!+ . . #+\$-!82!\*#!+!86# 7 #!9!#?#\$!8\$+, -:8!#D. #8!H!:, 8#\$?:# / #=#!-8+8#=#86+8!-#5?:5#!<\$#F4#, 5%!

+, =!\$#0:+\* :0:8%!. +\$8:540+\$0%!<2\$!\*4-#-C!:-!+!0#+=:, ; !5+4-#!2<!8\$+, -:8!#=-+8:-<+58:2, !+ 7 2, ; !\$:#\$-@!

H, 8#\$#-8:, ; 0%C!-#?#\$+0!. +\$8:5: . +, 8-!-8+8#=#86+8!:, 5\$#+-:, ; !86#!, 4 7 \*\$#!2<!\*4-#-! / 240=#!2!0:880#!82!

: , 5\$#+-#!86#!\$#0:+\* :0:8%!2<!8\$+, -:8!-#5?:5#@!

\*V925!9:19%&!5&0-2#5!2' &, #1' !#2!<%2!2' &, #1' !9. ' &05#- \$!#-!=#A' 6!5&0:#!1!5405!69'2!-95!&%-!:&'J%' -5/;!  
' -9%\$4!59!205#2: ; !54' !- ' '6>!W%5!5405!69'2-85!='0-!#:!3'!. %5!#-!<%2!2' &, #1' !5405!&0-!' , '& ; !5 3 9!  
=#-%5'27!0//!9:10!2%66' -!3' !3 9%/6!2' '!5&'=' -69%2!#- 1&'02'!#-!&#6' &24#. XG<'10%2' I!54' &'82!, '& ;!  
' :3!=#/'2!9:16'6#105'6!&#54!9:10 3 0; !:9&!5&0-2#5!#-!Y92!Q-\$'/'2!19=.0&'6!59!3 405!54'&'!#2!:9&!  
. &#, 05'!0%59=9<#/'C>!D!?'-5'&, # ' 3' ' !E(!

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H, !286#\$! / 2\$=-C! . +\$8:5: . +, 8-!-8+8#=#86+8C! : , !7 2-8!5+-#-C! : , 5\$#+-: , ; !\*4-!<\$#F4#, 5%! / 240=!2, 0%!-#\$?#!  
82! : , 5\$#+-#!86#! , 4 7 \*#\$!2<!\*4-#-!-8453! : , !8\$+<<:5!+02, ; -:=#! . #-\$-2, +0!+482 7 2\*:0#-!#\*5+4-#! 7 2-8!\*4-!  
-#\$?:5#!0+53-!#=#:5+8#=#\$: ; 68!2<! / +%@!!

! E, 286#\$!-#\$?:5#!:-4#!86+8!8\$+, -:8!+ ; #, 5:#-!2<8#, !6+?#!82!52, 8#, =! / :86!:-!86#!=-:8\$:\*48:2, !  
2<!<4, =-@!>#?#\$+0!8\$+, -:8!#D . #8-! , 28#=#86+8!\*+ -:5!<4, =: , ; !<2\$!2 . #8+8:2, -!8% . :5+00%!8+3#-!+!\*+53-#+8!  
82!\*: ; !5+ . :8+0! . \$20#58-!M:@#C!#D . +, -:2, !2<!\$+:0!0: , #-K@!!







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! ^ 6# , !+ - 3# = ! + \* 248! 62 / ! 82! : 7 . \$ 2 ? # ! . 22 \$ ! < \$ # F 4 # , 5 % ! + , = ! \$ # 0 : + \* : 0 : 8 % C ! # ? # \$ % ! . + \$ 8 : 5 : . + , 8 !

= : - 54 - - # = ! 86 # ! , ## = ! 82 ! \* 4 : 0 = ! 7 2 \$ # ! = # = : 5 + 8 # = ! 8 \$ + , - : 8 ! 0 + , # - C ! . + \$ 8 : 540 + \$ 0 % ! < 2 \$ ! \* 4 - # - C ! + , = ! : 7 . 0 # 7 # , 8 !

- : ; , + 0 ! . \$ : 2 \$ : 8 % ! < 2 \$ ! # D : - 8 : , ; ! + , = ! < 484 \$ # ! - # \$ ? : 5 # - @ !

\* K 405 ! 3 ' ! - ' ' 6 ! 59 ! \$ ' 5 ! & ' / # 0 < # / # 5 ; ! # 2 ! 0 15 % 0 // ; ! # - : & 025 & % 15 % & ' > ! K ' & & ' ! - 95 ! \$ 9 # - \$ ! 59 ! = 0 @ ' ! 54 ' ! 2 ' & , # 1 ' !

= 9 & ' ! & ' / # 0 < / ' ! < ; ! . % 55 # - \$ ! = 9 & ' ! < % 2 ' 2 ! 9 - ! 54 ' ! 25 & ' ' 5 ! 59 ! 54 ' - ! \$ ' 5 ! 25 % 1 @ ! # - ! 54 ' ! 20 = ' ! 5 & 0 : : # 1 > C ! D !

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! A6:-!-84=%!=#72,-8\$+8#-!86+8!.4\*0:5!8\$+,-:8!,:!-.\$+/0:;,+!\$#+-!-##7!82!<+5#!?#\$\$!-:7:0+\$!  
.\$2\*0#7-!+-!+\$#-408!2<!86#:\$!527.+\$+\*0#!4\$\*+,!<2\$7@!A6#!+=+!5200#58#=\$!.\$2?:=#-!?!+0+\*0#!,:-:;68!  
<\$27!86#!.#\$-.#58:?#!2<!8\$+,-:8!#D.#8-!+\*248!62/!-.\$+/0:;!\$#;:2,-!5+;!:7.\$2?#!86#:\$!8\$+,-:8!  
-%-8#7-@!E==:8:2,+00%0!7+,%!2<!86#!86#7#-!<24,=!/:86:;!86#!+=+!-4..2\$8!2\$!527.0#7#,#!#D:-8:;! !  
0:8#\$+84\$#!2,!.\$4\*0:5!8\$+,-:8@!A6:-!-#58:2,!.\$#-#,#-!+,!2?#?#:#/!2<!62/!86:-!-84=%!527.+\$#-!+,=!  
52,8\$+8-!82!.\$#?:24-!\$#-#+\$56@!Z2002/:;;!86+8C!H!=-54--!+\$#+-!/6#\$#!\$#-.2,-#-!/#\$#!=;<#\$#,8!  
<\$27!/6+8!H!#D.#58#=@!

! !S,#!2<!86#!7+02\$!86#7#-!<24,=!:;!86:-!\$#-#+\$56!/+-!86#!,##=!82!:\$5\$#+-#!<:-8!+,=!0+-8!  
7:0#!+55#--!\*%!:7.\$2?,:;!\*:3#!+,=!.#=#-8\$:+,!<\$+-8\$4584\$#@!^6:0#!86#!.+\$8:5:.,+8-!/#\$#!0+\$;#0%!  
52,5#\$,#=!/:86!04-8!:\$5\$#+-:;;!8\$+,-:8!\$=#\$-6:!.!+,=!+55#--C!86:-!86#7#!<:8-!/#00!/:86!#D:-8:;! !  
0:8#\$+84\$#!2,!86#!.2-:8:?#!6#+086!#<<#58-!2<!8\$+,-:8!4-#@!N%#!,524\$+;:,;!.#=#-8\$:+,!+,=!\*:5%50#!4-#!  
!\$24,=!8\$+,-:8C!8\$+,-:8!+;#5:#-!/240=-!:7408+,#24-0%!\*#!#,524\$+;:,;;!527748#\$-!82!-/:856!<\$27!  
5+\$!4-#!82!6#+086:#\$!2.8:2,-!0:3#!\*:3:;,+;=!/+03:;,@!A6:-!5240=!6+?#!+!.2-:8:?#!#<<#58!2,!86#!  
5+\$=-2?+-540+\$!6#+086!2<!.#2.0#!0?:;!,#+\$!8\$+,-:8!52\$\$=2\$-!\*%!\$#=45:;;!5+\$!#7:-:2,-!+,=!  
,-@!^6#!

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86#:\$!=#?#02.7#,8

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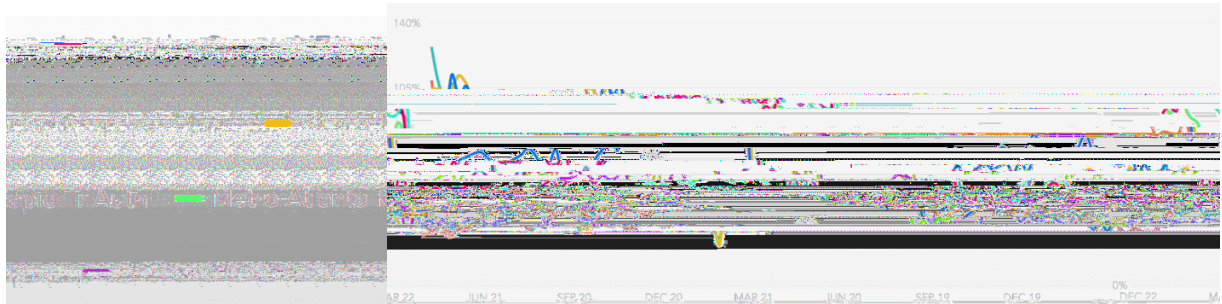
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\*`'9./!=9,'6!030;!:&9=!5&0-2#5!6%&#-\$!54'!.0-6'=#17!34#14!#27!9:!19%&2'7!9-\$9#-\$!Q!95!9:19%&!&0#/'!&#6'&2!9&!19==%5#-\$!40,'-85!19='!<0!@!;'5!<'10%2'!54';&&'!&'=95'/;!39&@#-\$C!!  
D!?'-5'&,#'3''!ES!  
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H! / + -! -4\$. \$: -# =!86+8!86#\$\$#! / + -! -2!0:880#! =: -54--:2, !2<! f S J H a! ; : ?# , !86#! - : ; , : < : 5+ , 8! : 7 . +58!  
:8L-!6+=!2, !8\$+ , - :8!\$:=#-\$-6: . @!Z: ; 4\$#!XC!<2\$!#D+7 .0#C! =# . :58-!86#!2?#\$+00!\$:=#-\$-6: . !0#?#0-!2<!<br>#+56!8\$+ , - :8!+ ; # , 5% !#D+7 : , # =! : , !86: -! -84=%!<27! a#5#7 \*\$#! 'P&U!82!Z#\*\$4+\$#! 'P' ' !

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H!#D . #58#=#86#8!82!\*#!-27#! =: -54--:2, !2<!86#! . + , =# 7 :5! / 6# , !86#! . +\$8:5: . + , 8-! / #\$\$\$!+-3#=#!+\*248!  
3#%!=#8#\$ 7 : , + , 8-!2<!<+00: , ; !8\$+ , - :8!\$:=#-\$-6: . @!V: ?# , !86#!7 +02\$!-6:<8!82!\$#7 28#! / 2\$3!2?#\$!86#!0+-8!  
8 / 2!%#+\$-C!8! / + -! -4\$. \$: - : , ; !86+8! : , 8#\$?:# / ##-! / #\$\$\$! , 28! 7 2\$#!52 , 5#\$ , # =! +\*248!62 / !56+ , ; : , ; !  
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! H , !+==:8:2 , C!8! / + -!+0-2!-4\$. \$: - : , ; !86+8!86#\$\$#! / + -!+072-8! , 2!7 # , 8:2 , !2<! . 28# , 8: +0! -2048:2 , -!  
82!86#!04\$:-=:58:2 , +0!:-4#-!\$+: -# =!\*%!86#! : , 8#\$?:# / ##-@!A6:-! / + -! . +\$8:540+\$0%!: , 8#\$#-8: , ; !\*#5+4-#!+!  
;#8!=#+0!2<8:7 #! / + -! - . # , 8!8+03: , ; !+\*248!52774 , :5+8:2 , !+ , =!04\$:-=:58:2 , !\*+\$\$:#\$-!\*#8 / ## , !5:8:#-!  
+ , =!+ ; # , 5:#-C!#8!86#\$\$#! / + -!+072-8! , 2! =: -54--:2, !2<!86:-!82 . :5! / 6# , !+-3#=#!+\*248!-2048:2 , -!82!

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04\$:-=:58:2,!!--4#-@!\*48!86#%!--82..#=#-62\$\$8!2<!--+%;;!86#%!--4..2\$8#=#:8@!

2, !86#-#!:--4#-C!\*48!+, !+, +0%-:-!2<!\$#5#, 8!\*4=; #8!#D.#, =:84\$#-!-62 / -!86+8!-2 7 #!+; #, 5:#-!. \$:2\$:8:G#!

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: , 8#\$#-8: , ; !82!-##!8\$+, -:8!+; #, 5:#-!. \$:2\$:8:G: , ; !\$+:0!:, ?#-8 7 #, 8-!:, !86#:\$!\$#; :2, +0!.0+, -@!

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A6#\$\$!+\$#!+!, 47 \*#\$!2< / +%-!86:-!5240=!\*#!: 7 .0# 7 #, 8#=#-456!+-!86\$24; 6! f +0:<2\$, :+L-!>N!UC!+!\*:00!  
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G2, #=#!<2\$!-: , ;0#9<+ 7 :0%!624-: , ;!MI+% , #C!'P' &K@!E! . 20:5%!0:3#!86:-!7 +%!\*#!7 2\$#!#<<#58:?#!86+ , !  
8\$+=:8:2, +0!4 . G2, : , ;! . 20:5:#-!\*#5+4-#!:8!:-!0#--!0:3#0%!82!\*#!7 #8! / :86!-8\$2, ;! . 4-6\*+53!<27!  
627 #2 / , #-\$!+ , =!527 7 4 , :8%! ; \$24 . -@!A6+8!\*# : , ;!-+:=C!86#\$\$!6+!-\*##, !-27 #!-455#--! / :86! . +--: , ;!  
7 2\$#!#D8\$# 7 #!4 . G2, : , ;! . 20:5:#-! : , !86#! ) >@!Mo+60# , \*#\$ ; C!'P&UK@!A6#\$\$!+\$#!286#\$\$!- 7 +00!-5+0#!  
4 . G2, : , ;! . 20:5:#-!86+8!5240=!\*#!+56:#?#=#-456!+-!5\$#+8: , ;!- . #5:+0! =:-8\$:58-!+\$24 , =!8\$+ , -:8!  
52\$\$:=2\$-!86+8!+002 / !<2\$C!2\$!#?# , !# , 524\$+ ; #C!86#!=#?#02 . 7 # , 8!2<! 7 #=-:47 !2\$!6: ; 6!=# , -:8%!624-: , ;@!  
E , 286#\$\$!-4 ; ;#-8:2 , C! . 48!<2\$86!\*%!+! . +\$8:5: . + , 8! : , !86:-!-84=%C! / 240=!\*#!82!-#00!86#! . +\$3: , ;!028-!86+8!  
8\$+ , -:8!+ ; # , 5:#-!2 / , !82!6: ; 69=# , -:8%!624-: , ;!=#?#02 . #-\$@!V:?# , !86#! 7 + , %! =:<<#\$\$ , 8! / +%-!86+8!  
7 4 , :5: . +0:8: TQq0 . C!2%=!8\$+ , -:8!+ #-5:##%= , !5# , %!! 7 # , -:8T!T!T# . \$86%8!2:+6:82#!



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' 22' - #0/C!5&# . 2!6%&# - \$!5492' ! . ' &#962>!  
+ - : 9&1' !19 - \$ ' 25#9 - ! . &#1# - \$!0/9 - \$!&9%5' 2!5405!40 , ' ! ' A#25# - \$!5&0 - 2#5!0/5' & - 05# , ' 2! ? - !954' &!3 9&627!#5! 3 9%/6!  
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&9%5' >!  
Q//!&' , ' - % ' 2! : &9 = !19 - \$ ' 25#9 - ! . &#1# - \$!249%/6!\$9!59 3 0&62!# = . &9 , # - \$!0 - 6! ' A . 0 - 6# - \$!5&0 - 2#5!/# - ' 2!9 - !0 - 6!  
0&9% - 6!54' !1492' - !&9%5' >!  
K 9&@!1/92' / ; ! 3 #54!19 = = % - #5# ' 2!5405! 3 9%/6! < ' ! = 925!0 : : ' !5' 6! < ; !19 - \$ ' 25#9 - ! . &#1# - \$!# - !9&6' &!59!6' 5' & = # - ' !  
54' #&! - ' ' 62!0 - 6!6' 2#& ' 2! : 9&!5&0 - 2#5!>  
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! A6#!# 7 . 6+ - : - ! : , 8# \$ ? : # / # # - ! . 48!2 , ! - 4\* . + \$ ! \* 4 - ! : , < \$ + - 8\$4584\$# ! + , = !2 . # \$ + 8 : 2 , - ! / + - ! + !50# + \$!  
: , = : 5 + 8 : 2 , !86 + 8!8\$ + , - : 8! + ; # , 5 : # - ! , # # = !82! = 2! 7 2\$# !82! : , ?# - 8! : , !86# : \$ ! \* 4 - ! - % - 8# 7 - @! E - ! \$ # 52 7 7 # , = # = !  
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0 : , # - ! + 02 , ; ! 7 + 02\$!8\$ + , - . 2\$8 + 8 : 2 , !52\$ \$ : = 2\$ - @! H , ! - 2 7 # ! \$ # ; : 2 , - C!86 : - ! 7 + % ! # ? # , ! \$ # F4 : \$ # ! + !8\$ + , - < # \$ ! 2 < !  
< 4 , = - ! < \$ 2 7 ! < 484\$# ! \$ + : 0! . \$ 20# 58 - !82! N [ A @! A6# \$ # ! + \$ # ! + ! , 4 7 \* # \$ ! 2 < ! \$ # - 24\$5# - !86 + 8! . \$ 2 ? : = # ! ; # , # \$ + 0!  
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& # ? : , - 2 , ! # 8! + 0@ ! ' PP ( K @! H , ! + \$ # + - ! / 6# \$ # ! 2 , 0% ! N [ A ! 7 + % ! , 28! \* # ! < # + - : \* 0# C!8\$ + , - : 8! + ; # , 5 : # - ! - 6240 = ! - 8 : 00!  
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 +\$#+-!86\$24; 6248!86#!) , :8#>!>8+8#-C!\*48!86#-#!#<<#58-!+\$#!#?#, ! 7 2\$#!52, -#F4#, 8:+0!:, !- . \$+ / 0: , ;!  
 \$#; :2, -!=4#!82!5+\$95#, 8\$:5:8%V: ?#, !86#!3, 2 / , !\*#, #<:8-!2<!. 4\*0:5!8\$+, - :8!4-#C!86:-!-84=%!-24; 68!82!  
 =#8#\$ 7 : , #! . 28#, 8:+0!-2048:2, -!<2\$!=#50: , ; , ; !8\$+, - :8!-%-8# 7 -!:, !- . \$+ / 0: , ; !+\$#+-!:, !2\$=#\$!82!: , 5\$#+-#!  
 \$:=\$-6: . !+, =!52 7 \*+8!86#!, #; +8: ?#!#<<#58-!2<!5+\$95#, 8\$:5:8%!, =!- . \$+ / 0@!H, 8#\$?:# / -! / # \$#!  
 52, =458#=# / :86!8\$+, - :8!2<<:5:+0-!+, =!#D . #8-!<2 7 !-#?# \$+0!- . \$+ / 0: , ; !\$#; :2, -!+5\$2--!86#!) >!: , !  
 2\$=#\$!82!0#+\$, C!<2 7 !86#:\$! . # \$- . #58: ?#-C!62 / !82!52, 8#, =! / :86!86#!4, :F4#! . \$2\*0# 7 -!86+8!- . \$+ / 0: , ;!  
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 : , 5\$#+-: , ; !=#, - :8%!+, =! 7 :D#=#94-#!=#?#02 . 7 #, 8!+02 , ; !8\$+, - :8!52\$=:2\$-@!S 86#\$!\$52 7 7 #, =+8:2, -C!  
 0:3#! . \$:2\$8:G: , ; !\*4-!-#\$?:5#!+, =!=-: , 5#, 8:?:G: , ; !5+\$-C!+\$#! . 20:5:#-!86+8!+\$#!<+\$! 7 2\$#!- . #5:<:5!82!  
 86:-!\$#-#+\$56!4#82!86#!5+\$95#, 8\$:5!:, <\$+-8\$4584\$#!+, =! . 20:5:#-!86+8!+\$#! . \$#-#, 8!:, !- . \$+ / 0: , ; !+\$#+-@!  
 A6:-!\$#-#+\$56! 7 +%16#0 . !:, <2\$ 7 !=#5:-:2, ! 7 +3#\$-C!-456!+-!8\$+, - :8!+; #, 5:#-!+, =! . 0+, , , ; !  
 =# . +\$8 7 #, 8-C!+\*248!86#!4, :F4#!56+00#, ; #-!86+8!286#\$!8\$+, - :8!-%-8# 7 -!<+5#!:, !- . \$+ / 0: , ; !\$#; :2, -@!  
 A6#!:, -: , 68-! . 48!<2\$86!5+, !\*#!4-#=#!82!6#0 . !025+0!; 2?#\$, 7 #, 8-!+, =!8\$+, - :8!+; #, 5:#-!+?2:=!86#!  
 7 :-8+3#-! 7 +=#!:, !+\$#+-! / :86!-: 7 :0+\$!4\$\*+, !<2\$ 7 @!E==:8:2, +00%C!86#!\$52 7 7 #, =+8:2, -! . \$#-#, 8!  
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 86+8!\$:=\$-6: . !6+-!56+, ; #=#!=\$+ 7 +8:5+00%!+-!+\$#!-408!2<! f S J H a 9&U@! [ :=\$-6: . !-8+8:-8:5-!+\$#!-8:00!  
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E 7 +82C! " +=+0% , @!g c ##= !+! [ :=#p! " #8\$2! " :5\$2!S <<#-\$!m&! [ :=#-6+\$#-!+\$24, =!` @E@h!` 2-!E , ; #0#-!  
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688. -Yrr / / / @\*:G024\$, +0-@527r-+ , <\$+ , 5:-52r , # / -r 'P' &rP&r ' \r\*#\$3#0#%9 , 29. +\$3: , ; 97: , : 7 4 7 -9<2\$9  
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'P&\@!688 . -Yrr0+@54\$\*#=@52 7 r' P&\rQr' Ur&W' &U' (Pr8\$+ , -:89 7 #8\$29\$:=#\$-6: . 9=2 / , 9 / 6%@!

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V#, #S+0!

B W02'6!9-!;9%&!.'&29-0!'A.'&#'-1'!39&@#-\$!#-!.<#1!5&0-2#7!10-!;9%!2.'0@!0<9%5!29='!9:'54'!/'06#-\$!&'029-2! :9&15&0-2#5!6#2205#2:015#9-c!

B K405!69!;9%!'</'#','!0&'!29='!@';!&'029-2!@''.#-\$!-9-B5&0-2#5!&#6'&2!:&9=!'2#-\$!.<#1!5&0-2#5c!  
!

H, <\$+-8\$4584\$#!

B K405!0&'!54'!,0&#9%2!02.'152!9:'54'!%&<0-!;9&=#-!;9%&!&'\$#9-7!2%14!02!&90630;#-:&025&%15%&'!9&!T9-#-\$7!5405! ;9%!'</'#','!&'2'-5!54'!=925!6#:#1%/5#2!;9&!#-1&'02#-\$!.<#1!5&0-2#5!2'c!

B W02'6!9-!54'!%&<0-!;9&=#22%2!='5#9-'6!#-!54'!&#,'#9%2!J%'25#9-7!10-!;9%!1#5'!0-;'!A0=.'/'2!9:!.025! #-:&025&%15%&'!#=#&9,'='-52!D!'#54'&!:&9=!54'!1#5;'9&!0-!0\$'-1;9%L,'!39&@'6!3#54!B!5405!40,'!2493-!&9\$&'22! #-1&'02#-\$!5&0-2#5!&#6'&24#.!0-6!011'22#<#/#5;c!!

B K405!5&0-2#5!#-:&025&%15%&'!69!;9%!'</'#','!#-!54'!=925!#=.9&50-5!;9&!2.&03/#-\$!1#5#2!#-!9&6'&!;9&!54'='!59! #-1&'02'!0-6!#=#&9,'!54'&!2'&#1'c!!

B H0-!;9%15'//!'!0<9%5!0-;!. /0-2!;9%&!&'\$#9-!1%&&' -5/;!402!#-!54'!39&@2!#-!9&6'&!59!#=#&9,'!% .9-!54'! #-:&025&%15%&'!6#:#1%/5#2!;9%L,'!='-5#9-'6c!  
!

I20:5:#-c! I\$20#58-C!+, =!`#; :-0+8:2, !

B K405!5&0-2#5!&9R'152!0&'!0!&#9&#5;!;9&!;9%&!&'\$#9-!&#45!-93!0-6!\$9#-\$!;9&30&6c!!

B K405!.&9R'152!0-6!d9&! .9/#1#2!69!;9%!!''#%&&'(()\*+'(','-'!0&'!54'!=925!.&9=#2#-\$!;9&!#-1&'02#-\$!5&0-2#5!2'&#1'! 0-6!%2'!#-!;9%&!&'\$#9-c!K4;!#2!5405c!

B Q&'!54'&'!2.'1#:#1!2'159&2!9:!.%<#1!5&0-2#5!5405!;9%!'</'#','!0&'!% -6'&:% -6'6c!?:!297!3405!#=#&9,'='-52!19%/6!<'! =06'!3#54!066#5#9-0!/:% -6#-\$c!

B ^0,'!;9%&!&'#3'6!9&!#=#/'='-5'6!.9/#1#2!:&9=1954'&!1#5#2!59!#-:9&=#6'1#2#9-2!#06'!05!54'!0\$'-1#2!;9%L,'! <'-'!0!&5!9:c!?:!297!34#14!.9/#1#2!0-6!:&9=!3405!1#5#2c!

B ?-!;9%&!9.#-#9-7!34#14!2.'1#:#1!.9/#1#2!9&!/032!40,'!<'-'!6'5&#=' -50/!59!5&0-2#5!&#6'&24#.!0-6!011'22#<#/#5;c!!

B Q&'!54'&'!0-;!1%&&' -5!.9/#1#2!&9R'1527!9&!/'\$#2/05#9-!#-!54'!39&@2!5405!0&'!0#='6!05!&'='6;#-\$!54'2'! 6'5&#='-52c!  
!

"2=#-!2<!A\$+, -:8!

B K405!0&'!54'!=0R9&!&906</91@2!;9&!#-1&'02#-\$!&0#/#-:&025&%15%&'!0-6!#=#&9,#-\$!54'!2'&#1'!0-6!&#6'&24# .c!

B H0-!;9%16#21%22!54'!6#:#1%/5#2!#- ,9/,'6!3#54!#=#&9,#-\$!0-6!#-1&'02#-\$!<#@'240&'!02!0!30;159!19--'15!.'9./'!59! 5&0-2#5c!

B ^0,'!&#6'B240&#-\$!2'&#1'2!/#@'!0<'&!0-6!Y;:5!-'\$05#,'/;!0::'15'6!.%<#1!5&0-2#5!&#6'&24# .c!

B ^02!;9%&!&'\$#9-!'A.'&#='-5'6!3#54!0-;!&#6'240&#-\$!.&9\$&0=2c!^93!#=#&9,50-5!69!;9%!'</'#','!0!5&0-2#5B:% -6'6! &#6'240&#-\$!2'&#1'!#2!;9&!#=#&9,#-\$!5&0-2#5!&#6'&24# .c!

B ?2!54'!#=#./'='-505#9-!9:W\M!/#-2!0!.&#9&#5;!;9&!;9%&!&'\$#9-c!

!

"#\$\$%!X(!