!"#\$%#\$&' !() * (#\$+,(#- . /,(0(*'1

2\$"",34*516\$(7. &\$&819\$: *&7; \$4713<1=,3(#\$; ,"7&>1*4?1@,(&3),353A>81B4,/\$&",7>13<1C,(73&,*1 D<<,5,*7\$1D""3(,*7\$1E&3<\$""3&819\$: *&7; \$4713<1=,353A>81F34(3&?,*1B4,/\$&",7>81@347&\$*581GF1 1

!"#\$%#\$&' !<u>5,"*&\$>435?"-_./,(0(*</u>'H1(3.&"\$1(3I3&?,4*73&

D"","7*471E&3<\$""3&819\$: *&7; \$4713<1=,3(#\$; ,"7&>1*4?1@,(&3),353A>81B4,/\$&",7>13<1C,(73&,*1

F3: :5\$7\$1*5513<1@JFKLMMD1*4?1@JFKLMM=01

F3; :5\$7\$13&1(34(. &&\$475>1\$4&355\$?1,41N13<1=JOFLPP%=JOFQMMD0

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$$\begin{split} & \mathbb{R}^{1}(34'',?\$\&13.\&1/,\&7.*51(5*'''\&33; 1*4?13<,(\$1\#3.\&''1731)\$1*1:5*(\$1+\#\$\&\$1>3.1+,51)\$17\&\$*7\$?1+,7\#1\\ & \&'':\$(781*4?1+\$1+\$5(3; \$1,4?,/,?.*5''1<3&1*551*A\$''81)*(SA\&3.4?''81)\$5,$<''81\$7#4,(,7,$''81A$4?$\&''81A$4?$&''81}\\ & A\$4?$\&1,?\$47,7,$''81A$4?$&1$T: & &'''',34814*7,34*513&,A,4''81&\$5,A,3.''1*<,5,*7,34''81''$T.*513&,$47*7,34''81\\ & *),5,7>I*4?137\#$&1/,'',)5$1*4?1434/,'',)5$1?,<$&$&4($''01D551; $;)$&''13<7#,*1(5*''''1*&1T: $(7$?1731(3478,).7$1731*1&$'': $(7<.581+$5(3; ,4A81*4?1,4(5.'',/$1$4/,&34; $471<3&1$/$&$137#$&1; $;)$&13<17#$1(5*''''1*&$13434)>3.&18&$U.$'''1731*??&$''''1>3.1)>1*41*57&&4*7$14*; $13&1A$4?$&1:&$434.401 \end{split}$$

6*"71?*>1<3&1*??,4A1(3.&"\$"1<3&17#,"1"\$; \$"7\$&`1a.5>1NN81LMLL1 6*"71?*>1<3&1?&3::,4A1(3.&"\$"1+,7#3.71:\$4*57>13<1<*,5.&\$`1D.A1Q81LMLL1

_#,"1 (3. &"\$1: &3/,?\$"1*413/\$&/,\$+13<17#\$1; *; ; *5,*41,; ; .4\$1">"7\$; 1*4?1,7"1<.4(7,341?.&,4A1 #\$*57#1*4?1?,"\$*"\$0127.?\$47"1+,5015\$*&417#\$1\$>1(3; :34\$47"13<17#\$1,; ; .4\$1">"7\$; 81#3+1?,/\$&"\$1 :*7#3A\$41"13<17#\$1,; ; .4\$1">"7\$; 81#3+1?,/\$&"\$1 :*8\$1 :*7#3A\$41"13<17#\$1,; ; .4\$1">"7\$; 71,41(#\$(\$81 :* 34"\$"1*&\$15\$); \$; 3&>1,"1A\$4\$&*7\$?81#3+1,; ; .4\$1&\$": 34"\$"1*&\$15\$; 71,41(#\$(\$81 #3+1,4*:: &3: &,*7\$1,; ; .4\$1&\$": 34"\$"1(*415\$*?1731?,"\$*"\$81*4?1#3+17#\$1,; ; .4\$1">"7\$; 1(*41)\$1 #*&4\$""\$?17#\$&*: \$.7,(*55>01ZT*; :5\$"13<1\$T: \$&,; \$47*51*:: &3*(#\$"1."\$?1731: &3)\$17#\$1<.4(7,3413<17#\$1,; ; .4\$1">"7\$; 1+,51)\$1,4(5.?\$?17#&3.A#3.717#\$1(3.&"\$01

=>17#\$1\$4?13<17#,"1(3.&"\$81"7.?\$47"1"#3.5?1)\$1*)5\$173`1

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- **!** 9\$"(&,)\$1S\$>1(3; :34\$47"13<17#\$1,; ; .4\$1">"7\$; 81*4?1#3+17#\$>1+3&S173A\$7#\$&1731; 3.471 *41*::&3:&,*7\$1?\$<\$4(\$1*A*,4"71:*&7,(.5*&1:*7#3A\$4"1
- ! 9\$"(&,)\$1; \$(#*4,"; "1+#,(#15;; ,717#\$13::3&7.4,7>1<3&17#\$1A\$4\$&*7,3413<1"\$5<1?,&\$(7\$?13&1,4*::&3:&,*7\$1;; ; .4\$1&\$":34"\$"1
- **!** 9\$"(&,)\$1#3+1": \$(,<,(1,; ; .4\$1\$<<\$(73&1&\$": 34"\$"1*&\$1,4,7,*7\$?1*4?1(347&35\$?1)

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L0 J44*7\$1,; ; .4,7>1	D4*73; ,(*51)*&&,\$&"81*47;; ,(&3),*51 : \$:7,?\$"81(3; :5\$; \$4781,44*7\$1(\$551 7>: \$"1 *4?1 \$<<\$(73&1 ; \$(#*4,"; "81 .*77\$&41&\$(3A4 7 341	F=1
	:^//\$&4I&\$(3A4,/,34I	

Q0 D?*:7,/\$1,; ; .4,7>1

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27. ?\$47"1+,5514371)\$1\$T*; ,4\$?1341,4<3&; *7,341,417#\$17\$T7)33S13&134137#\$&1"3. &(\$1; *7\$&,*517#*71,"14371(3/\$&\$?1,41(5*""01

k1G., II\$"1+,551)\$1(3; :5\$7\$?1,41:\$&"3481?.&,4A1"(#\$?.5\$?1(5*""1#3.&"01

k1ZT*; "1+,551) \$1(34?. (7\$?1,41: \$&"3481?. &,4A1" (#\$?. 5\$?1(5*""1#3. &"01

k1G., II\$"1*4?1\$T*; "1*&\$1m(53"\$?I)33SnH1431437\$"13&1\$5\$(7&34,(1?\$/,(\$"1+,551)\$1:\$&; ,77\$?01

1	1	1
ZT*; 1N1!F='1	a. 5>1NcH1,41(5*""1	Lho [!] 1
1		
ZT*; 1L1!F='1	D. A. "71Q81LMLLH1,41(5*""1	QMo [!] 1
ZT*; 101!6K'1		

27. ?\$47"1*&\$1&\$": 34",)5\$1<3&1\$4". &,4A17#*717#\$>1*&\$1: &3: \$&5>1&\$A,"7\$&\$?1,417#\$1(3. &"\$81*4?1 *&\$1\$T: \$(7\$?1731#*/\$1; \$71*551: &\$%(31&\$U. ,",7\$"1<3&17#\$1(3. &"\$01 1

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