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JKK]PKF& ) 9 7 7 "8;<5%;98&5C=;\$96&M;,%&@&W ! 0V&Q%&69"#@&- 9#;<98RH&W96:9BXD&/ ! H&  
! <%;98&63\$356<@&469#65 7 &M96X;8#&M;,%&@&C3\$;#8&58C&<9 7 7 "8;<5%;98&  
;\$&3\$&8=9B=3C&;8&\$3%%;8#&" 4&5&Z69"4&2 3<;\$;98&?"4496&&?>\$%3 7 \$&  
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I@;B5C3B4@;5k ) @;BCkZ ";C58<3k ) B;8;<Dk%9k;8=3\$%;#5%3k%@3k63B5%;98\$@;4k  
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[ ) @9;<3k9: kIW98P23B;8d"38%k58Ck23B;8d"38%k ) 56336\$&5 7 98#kI "36%9k  
+;<58k o 9"%"@ [k:96k%@3kW5%;985Bk,8\$%;%"%3k9: kb"=38;B3kb"\$%;<3k58Ck%@3k -5Mk  
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JKLJPLE& Z658\$&58Ck ) 98%65<%\$k I69#65 7 k +3=;3M36DkW5%;985Bk,8\$%;%"%3k98k 2 6" #k  
! S"\$3DkV::;<3k9: k?<;38<3Dk ! B<9@9BDk 2 6" #k ! S"\$3k58Ck . 38%5Bk f 35B%@k  
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436\$98&<963&35 7 &9&3=5B"5%3&5&#658%&9&&@3& ) ;>&9: & I @;B5C3B4@;5&:69 7 &  
%@3&-5M&18:96<3 7 38&& ! \$\$;\$%58<3& ! C 7 ;8;\$%65%;98&Q - 1 ! ! R&9: &@3&  
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V4365%;98\$&+3\$356<@D&\* 8;=36\$;%>&9: & I 388\$>B=58;5D&I @;B5C3B4@;5D&I ! H&P&  
%35<@;8#&<9"6\$3\$&8&d"58%;%5%;=3& 7 3@9C\$D&94365%;98\$&63\$356<@D&\$%5%;\$;<\$&  
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) 9 7 4"%36&?<;38<3D&\* 8;=36\$;%>&9: & 2 3B5M563D&W3M56XD& 2 3B5M563&P&  
%35<@;8#&<9"6\$3\$&8& ) 9 7 4"%36&I 69#65 7 7 ;8#&QAV+0+ ! WR&58C&  
. 9C3B;8#&58C&V4365%;98\$&+3\$356<@D&58C&C9;8#&63\$356<@&8&=56;9"\$&  
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^@5>5 7 3H&Z9=368;8#&8&@3& ; 7 3&9: & ) 9=;C&58C& ) B; 7 5%3&1 7 36#38<&Q&S5\$3C&  
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1 7 36#38<&RH&A35%"63C&\$3\$;\$98&5%&  
D&! ? ) &' ( ' (&ZB9S5B& ) 98=36\$5%;98H&?3\$;\$98&M5\$&@3BC&=;6%"5BB>D&  
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!46&' ( ' (&8=;%3C&4583B;\$%T63\$498C38&5\$&<9 7 7 "8;<5%;98T\$>\$%3 7 \$&<;38%;\$%D&9&  
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\ ;%83\$;\$8#&5&=9;<3&@69"#@& 7 9=3 7 38&\$&Q;8#6;C&I;<X3BRH& ) 98:3638<3&98&  
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2 "3&9& ) 9=;CPJKD&<98:3638<3&M5\$&@3BC&98B;83H&

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D&V\$B9D&W96M5>H&O@;\$&\$3\$\$;98&M5\$&5&456%;<;45%96>&\$3\$\$;98&@5%&  
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b"8&' (JK& ,8=;%3C&5BXD& - ;=;8#&5& )>S3683%;<& - ;:3H&Z;=38&5\$&63<;4;38%&9:&W96S36%&  
\ ;3836&5M56C&:96&b;:3%; 7 3&5<@;3=3 7 38%D&

?34' (J) s ?>\$%3 7 ;<58C&63:B3U;=3&436\$43<%;=3\$&98&<9\$ 7 949B;%58& ) 9 7 7 "8;<5%;98Ht&  
^ 3>89%3&5CC63\$\$&5%<98:3638<3&98& 2 ;,\$<9=36;8#& ) 9\$ 7 949B;%58&  
) 9 7 7 "8;<5%;98c& ! &<69\$&9=36&C;5B9#" 3&S3%M338&45\$%&58C&:"% "63T%&396>&  
58C&465<%;<3T15\$%&58C& \ 3\$%H&?498\$963C&S>&@3&,8\$%;%"3&:96&ZB9S5B&,8%3#65B&  
) 9 7 43%38<3H& f 3BC&5%&@3&\* 8;=36\$;%>&9: &A3C365B& ! 6 7 3C&A96<3D& . "8;<@D&  
Z36 7 58>H&

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+ ? 2&i&+3B5%;8#&?>\$%3 7 \$&0@;8X;8#&58C& 2 3\$;#8&YH& I5436&M5\$&463\$38%3C&S>&  
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b"B&' (J) && 1ZV?&Q1 "694358&Z69"4&98&V6#58;\_5%;98&?%"C;3\$R&<98:3638<3&98&  
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+3\$498\$;S;B;%>H&, &M5\$&5&456%;<;458&%;8&@3&\$%635 7 &98&s ?45<3&58C&  
. 5%36;5B;%>&:8&V6#58;\_5%;98&Ht& ! %@38\$D&Z633<3H&&

V<%&' (JY& 1<9B9#;<5B&,C38%;%3\$&58C& 2 ;B3 7 7 5\$&9:& ! <<3B365%3C& ) @58#3H&I63\$38%3C&5&  
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V\$B9D&->\$3S" & ) 38%36D&V\$B9D&W96M5>D&

!"#&' (JY&QM;%@&b583&b96#38\$98RH& 2 58<;8#&M;%@& )>S3683%;<\$H&,8=;%3C&%5BX&:96&I5\$P  
I63\$;C38%\$& 2 5>& ) 3B3S65%;98&5%& ] (" ! 88;=36\$56>& . 33%;8#&9:& ! 7 36;<58&  
?9<;3%>&:96& )>S3683%;<\$H&Z396#3& \ 5\$@;8#%98&\* 8;=36\$;%>D& \ 5\$@;8#%98D& 2 ) H&

. 5>&' (JY& 8=;%3C&I583B;\$%&58C&I56%;<;458&D&:8&^ 3%36;8#&A9"8C5%;98& 7 33%;8#&98& ) ;=<&  
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! 46&' (JY& ,8=;%3C&456%;<;458%D&,8%3685%;985B&?> 7 49\$;" 7 &98& . 3C;5&,889=5%;98\$D&  
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63463\$38%5%;98H&?498\$963C&S>& 2 34%H&9:&?9<;5B& ! 8%&6949B9#>D&OB;8C368D&  
\* 8;=36\$;%>&9:&V\$B9D&W96M5>H&&&

W9=&' (JE&QM;%@& 2 969%&>& ! ##36PZ"4%5&58C&W;3B\$& ! ##36PZ"4%5RH&O@3&"\$3&9:&@&3&  
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f >BB58Ck16;X\$38RHk0@3k\$3<98Ck;8%3685%;985BkO5%3\$98k?>749\$;"7 ck  
ZB9S5B;\_5%;98k58Ck%@3k699%\$k9:k%@3k3<9B9#;<5Bk<6;\$;ShkV\$B9DkW96M5>Hk

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S>k ! 8%@6949B9#>kC3456%738%Dk \* 8;=36\$;%>k9:kV\$B9Hk?96;5k . 96;5k  
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W9=k (J' +3\$498C38%k9k4583BDk ) 977 \* W,0 o;k;8k%@3k ) B5\$\$6997 ck1%@89#654@>Dk  
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?%3;36Dk I36P1C=;8k I36\$98Dk . 5%@3M\$k f 5 7 5S5%5Dk ?5 7 58%5k058k58Ck  
b58k05" #HkA;:%@k ?<;38<3k) 38%36k \ 96Bk) 98#63\$SDk09698%9Hk

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b"83k' ((Lk k035<@;8#k%@3k1 %@;<\$k9:kVS\$36=5%;98ck ! k) 5\$3k?"C>k;8k%@3k \* \$3k9:k  
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05 7 45Hk

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W9=k' ((Fk QM;%@k 2 5=;Ck,\$55<\$k58Ck \ ;%k V\$%638X9Rk \ 96Bk) 5:eR(?>\$%3 7 \$k;C35k\$;8k  
<635%;8#k83%M96Xk\$9:k<98=36\$5%;98Hk0@;\$kM5k\$:9BB9M3CkS>k9"6k  
:5<;B;%5%;8#k5k \ 96Bk) 5:eR98k%@3k%@3 7 3ck f 9Mk) 58k \ 3k I634563k?" "C38k\$  
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) 9883<%;98kZB9S5Bk?" 7 7 ;%ck - 35C;8#k?<@99Bk I56%836\$@;4k\$5<69\$%  
O96C36\$Hk05 7 45DkA - Hk

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. 5> ( (F I5436463\$38%5;98QM;%@b9@8 \ ;BB>O5XX3RH2 3\$;#8;8#45<3\$:96  
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V< ( (J A5 7 ;B>B3568;8#58C&\$>\$%3 7 ;<"8C36\$%58C;8#9:.\$<;38<3H ! 7 36;<58  
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b"8 ( (J ^3>89%3463\$38%5;98cI5@.\$:96 ) @58#358C?%5S;B;>8;858 1<9B9#>9:  
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0@396>cW3U%\$34\$%9M56C\$Z63#96>O5%398u\$1<9B9#>9: . ;8CH ! %  
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A658<;\$<9H 2 "3%9@9%3B%M96X36\$u\$%6;X3D@3 7 5'96; %>9: @3<98:3638<3  
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?34 ( (Y QM;%@b"58;%5O69M8D2 5=;C, \$55<\$58C \ ;%V\$638X9RH I63\$38%3C  
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035<@36\$%k ) 9BB3#3Dk ) 9B" 7S;5k \* 8;=36\$;%>DkW3Mk o96Xhk

A3S' ( (Jk ) @5;63Ck58Ck463\$38%3Ck98k4583Bk[ 23=3B94;8#k5k ) 9 7 7 "8;%>PS5\$3Ck  
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f 3B 7 36\$38kQ03B3896RDk 16;<k 1 ;\$3S36#kQ \* Hk9:k ?9" %@kAB96;C5RDk \ ;%k  
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V<%k' ( ( (k ^ 3>89%3k ! CC63\$Sc[k +3:B3U;=;%>k58Ck?>\$%3 7 ;<k ^ 89M;8#H[k 2 , ? I \* ^ k  
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2 3=3B94 7 38%k5k%@3k0 "68k9:k%@3k . ;BB38;" 7 ck ?%5%3k9:k%@3k ! 6k9:k?>\$%3 7 ;<k  
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V<%k' ( ( (k \ 96X\$@94Tk I 63\$38%5%;98Dk[A5 7 ;B>k - 3568;8#k;8k . "3" 7 \$ck1U4B96;8#k  
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58Ck03<@89B9#>k ) 38%36\$588" 5Bk<98:3638<3Dk ) B3=3B58CDkV f Hk

! "#k' ( ( (k \ 96X\$@94k I 583Bk . 3 7 S36Dk[A5 7 ;B>k - 3568;8#k;8k . "3" 7 \$ck099B\$;96k  
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) 9 7 7 "8;<5%;98k ! \$\$9<;5%;98k588" 5Bk<98:3638<3Dk ! <54" B<9Dk . 3U;<9Hk

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1%@89#654@>:96&t%@3&tOM38%>PA;6\$%& ) 38%"6>c& !B%3685%;=3\$&t58C&



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. 56&JKKN& )9 7 7 "8;<5%;98&58C&\$>\$%3 7 \$&465<%;<3c& ! 8&3>3&Q96&58&356wR&9M56C&@3&  
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! \$\$9<;5%;98&588"5B&<98:3638<3&\$43<;5B&463P<98:3638<3D&[O@3&A""63&9: &

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)9777;%33H

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?34%JKKE QM;%@?@3BB3>Z5BB"4R[ )>S3683%;<\$58C )@59\$



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23<&JKK(&& &[!&\$9<;9P%3<@8;<5B&544695<@&9&<977"8;<5%;98&58C&7"B%;4B3&  
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V<%&JKLF& ) @5;63C&\$3\$;98&[ . 5<69&58C& . ;<69&/ ;3M\$&98&V6#58;\_5%;98&58C&  
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