

! !D['U!\_3+RN!\)))![3+13&>!EAAEG!`3&'!34!7':'&!%#1-3+7a!D7',3&.! '.6163&>!EAABX!1-6+.!'.6163&!EAKAX!43#+1-!'.6163&!EAKIX!4641-!'.6163&>!EAK@G)! ! #--.)&+/((0+2-(3.\$&\*+ ! D1'&1%16:'!161M'X!13!Y'!7#Y2611'.!13! S+6&,'13&!9&6:'+7618!S+'77>!,)!/',)!EAEIG)!! ! 4(-&5\$(6')7+2#89'\$%&'()1\*

bW-'!L&M6=-1'&2'&1!%&.!1-'!V+''R!V+%&.!W3#+>b!6&!

 ! ! !

!	cS-6M-'MMm&672'!'1!3+6'&1%M672'!'&!?MM'2%=&'>d!6&!		
!D<':#'!V'+2%&6q#'!T&1'+&%163&%M'>!KHE!DEAAFGN!PHEE)!			
!			
!!!!! !	cS-61-'111'&672!%&.!1-'!g#+3+!^+6'&1%167>d!	>!K>!&3)!C!	
D[3:'2Y'+!EAA	AIGN!CCKHCFB)!		
!			
!!!	c?+&3M.!;u,R\6&!\%&.!1-'!S+3YM'2!34!V'+2\%&!*3.'+&672>d!6&!''#\$\%&&'!*\%+,-\%&.!\%&.!		
/ %:6.!(6&.'&4'\.>!'.7)>! !D;%13&!<3#='\!("9!			
S+'77>!EAAIGN!KEPHKJJ)!!			
!			
!!!	c; ',326&=!V+''RN!Z3-%&&!Z3%,-62!\6&,R'M2%&&!67!*#+.'+'.!6&!W+6'71'>d!6&!/%:6.!		
\ 'MY'+8>!'.)>!	!DQ% 2 Y+6. = '>! * %77>!EAAIGN!C@JHBK)!		
!	-		
!!!	cL2Y%++%77'.!Y8!1-'![6&'1''&1-!Q'&1#+8>d!6&!; '+&%+.!Q33R!'1!%M!'.7)>		
	!DQ3&73+16#2!3&!<	: 3M#163&%+8!L#+30'>!EAAIGN!	
KHKJ)!			
!			
!!	cg+32!(6Y'+%M672!13!['3+32%&16,672N!?MY+',-1!/6'1'+6,->!<	5, -%+.!<'61\$'&71'6&!%&.!1-'!	
<'\16=63#7!\\#+&!6&!g6&!.'!''6',\\'!V'+2%&!Q\\%776,%\\!''1#.6'7>d!6&!			

!

b5'+3.31#7!:'+7#7!1-'!56=-'+!O+616,672N!V'3+='!<%UM6&73&>!?&=M6,%&!56713+6%&!%&.!W+%&7M%13+b!43+! ,3&4'+'&,'!3&!^k43+.!Q\\%776,7>!^k43+.>!"'01)!EAEE! !bIBAN!W-'!T&: '&163&!34!%! \ 3+M.!56713+6,%M! / %1')b!!T&:61'.!(',1#+'>!T&7161#1'!43+!56713+6,%M!<'7'%+,-! " ' 2 6&%+>! ( 3&. 3&>!^, 13Y ' +>!EAEE)! bS3+\$'MM%&N!L6&'!-u,-71!23.'+&'!T&.#71+6'>b!T&:61'.!(',1#+'>!"1%%1M6,-'!S3+\$'MM%&!"%22M#&=>!/+'7.'&>! [3:'2Y'+!EAEE)!! bW-'!56713+8!34!1-'!5#2%&616'7!%&.!1-'!56713+8!34!e&3UN'.='>b!T&:61'.!(',1#+'>!g+'6'!9&6:'+761h1!%&.! ; '+\6&!S+3=+% 2 !43+!?.:%&, '.!V'+2%&!%&.!L#+30'%&!''1#.6'7>!; '+\6&>!/', '2Y'+!EAEE)!! bIBAN!W-'!\*%R6&=!34!%! \ 3+M.H56713+6,%M!\*32'&l>b!IBA!Q3&4'+'&,'!-371'.!Y8!91+',-1!9&6:'+7618>!1-'! ['1-'+M%&.7>!Z#&'!EAEE! b^&!S3+, '\%6&!\&.!617!"#Y7161#1'7>!5\O3&4'+'&, '!3&!<\U! \* %1'+6\\7!\&.!1-'6+!"#Y7161#1'7>!5\+:\+. 9 &6: '+7618!D:6+1#%MG>!Z#& '!EAEE! be%3%&!f'&#7>b!0%0'+!43+!<%U!\*%1'+6%%7!6&!1-'!56713+8!34!'',6'&,'!U3+R7-30>!;'+%&>!\*%k!S%%&,R!T&7161#1! 4t+! \ 677'&7, -%417='7, -6, -1'>!Z#&'!EAEE! cW-'!<67'!%&.!g%M!34!%!\*'+,%&16M'!W+'%7#+'N!W-'!\6'&'+!S3+\$'MM%&!\*%&#4%R1#+>!K@KBHS+'7'&1>d!R'8&31'! %..+'77>!?#71+6%&!"1#.6'7!?773,6%163&!Q3&4'+'&,'>!['U!^+\%&7>!?O+6\!EAEE!! &: ; \*&1<"&=>1>-"&'(&?\*1"@@"A1>B@&) \$C1'-D0E&! '>\*F1BG@"&/-"C"\*1B1\$'\*0&H I "-\$AB\*&) \$C1'-\$AB@&HCC'A\$B1\$'\*& J '\*("-"\*A"0&K"%&; -@"B\*C&LB\*M&6766&

? O+6M!EAK@)!!
! c['3, N%776, 67 2!%&.!1-'!*%77!*%+R'1N!V3114+6'.!"'20'+!%&.!1-'!Q'&1+%M!L#+30'%&!S3+, 'M%6&!T&.#71+8]7! "1+#==M'!43+!Lk671'&, '>!KBAAHKB@A>d!(]T&.#71+6'!.'!M]?+1!.'!V3114+6'.!"'20'+>!*#7m'!/]^+7%8>!S%+67>! Z%&#%+8!EAKJ)!! !!!
"'+6'7!L.613+N!
!
EAAFHKCN! T!7'+:'.!%7!3&'!34!1-+''!'.613+7!43+!%!7'+6'7!34!23&3=+%0-7!0#YM67-'.!Y8!S%M=+%:'H *%,26MM%&!S+'77!'&161M'.!cS%M=+%:'!''1#.6'7!6&!T&1'M',1#%M!%&.!Q#M1#+%M!56713+8)d!
: EAKBHEAEA! ^&'!34!1U3!'.613+7!43+!%!&'U!7'+6'7!%1!1-'!9&6:'+7618!34!Q-6,%=3!S+'77>!161M'.N!cW-'!(64'!
34!T. '%7)d!!'1'00'.!.3U&!6&!Z%&#%+8!EAEA)!!</td></tr><tr><td></td></tr><tr><td>EAEIH! Q3H'.613+!13='1-'+!U61-!?&1-3&8!V+%413&!DS+6&,'13&6!34!c('%+&'.!(6:'7>d!?2'+6,%&!</td></tr><tr><td>S-6N3730-6,%M!"3,6'18 9&6: '+7618!34!S'&&78M:%&6%!S+'77!!</td></tr><tr><td>!</td></tr><tr><td>?U%+.7!%&.!g'\M3U7-607N!</td></tr><tr><td>! EAECHEI>!S - 6!; '1%! e %00%! f 67616&=!'', <math>-31\%</math>+!</td></tr><tr><td colspan=3>! EAEE! ? <math>U_{+}</math> . '. !Z3 - &! "62 3 &! <math>V_{=}</math> '&- '62 ! ? <math>U_{+}</math> . !D13!Y '!1%R ' &!6&!EAETHFG!</td></tr><tr><td colspan=3>! EAEC!^M.!/326&63&!g'M3U>!5#2%&616'7!Q3#&,60>!S+6&,'13&!9&6:'+7618!</td></tr><tr><td>! EAEE!?U%+.'.!; '+\6&!S+6\$'!g'\\3U7-60>!?2'+6,%&!?,%.'28!6&!; '+\6&!</td></tr><tr><td>! EAEK! ? U%+. '. !<%MO-!V323+8!Y33R!O+6\$'!D43+! G!4+32!1-'!; #76&'77!56713+8!Q3&4'+'&, '!!</td></tr><tr><td>! <math>EAEK!g\%Y'+!(',1\#+'+)!S+6\&,'13\&!9\&6:'+7618!!</math></td></tr><tr><td>! EAKP!g+%&, '7,3!'!. '! / 3 2 Y+3U7R6! f 67616&=!S+34'773+!%1!T!W%116!D 5 %+: %+. !9 &6: '+7618!6&7161#1'>!</td></tr><tr><td>M3,%1'.!6&!gM3+'&,'G>!Z%&#%+8!13!Z#&'!</td></tr><tr><td>! EAKB! f 67616&=!S+34 '773+>! * %k!S\%&,R!T&7161#1!43+!1- '!56713+8!34!",6'&, '>!; '+\6&!!</td></tr><tr><td>! EAKB! / 6716&=#67-'.! f 67616&=!", - 3\\%+>!", - 33\\!34!Q\\%776,7>!"1)! ? & .+'U7!9 & 6: '+7618>!", 31\\% .!!</td></tr><tr><td>EAK@!"LQ! f 67616&=!(',1#+'+!W+%:'M!V+%&1!!</td></tr><tr><td>!</td></tr></tbody></table>

!!!!!! KPBP!''' < Q! / 677' + 1%163&!g'M3U7 - 60!

- KPBJ!", ': 60M!g'M3U7-60!43+!T&1'M', 1#%M!56713+8! !!!!!! KPBI!Q3%6&! \* 6% '+!O+6\$'!43+!Y'71!"'&63+!W-'767>!9&6:'+7618!34!! Q%M643+&6%>!; '+R'N'8!

S+34'7763&%M!"'+:6,'!D"'M',1'.G!

S+323l63&!<':6'U7!43+N!"1%&43+.!9&6:'+7618>!9&6:'+7618!34![3+1-!W'k%7>!W'k%7!"1%1'!9&6:'+7618! "%&! \* %+,37>! \ 6MM6% 27!Q3MI'='>!S+6&, '13&!9&6: '+7618>!9&6: '+7618!34!"3#1- '+&!Q%M643+&6%>!"1)!?&.+'U7! 9 &6: '+7618>!%&. ! 2 % &8!31- '+7!!

- \* ' 2 Y '+!34!; 33R!S+6\$ ' !Q3 2 2 611 ' '>!V3 2 3+8!S+6\$ '>!; #76& '77! 5 6713+8!Q3&4 '+'&, ' !EAECHI! !
- ! 5%Y6\\61\%163&!Z#+8>!Q [ <">!S\%+67!D43+!S\%7, \%\'!<\%Y\%#\\1\\g'\#'+-\%-&G!

\$.')L-\*&'2#M7&\*.+&#;5\*#&%6'5<')3'''=,-)5#>'5<'?+''%-&#<>?BC<><<N#<><C<><@# !

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