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! "#\$%&&'()*%* *+,,'''(-''',+&.(- +&/,'\$(%0(1"2#/3#4(56"7(5859(
#)\$! %&' '!()!) * + , *!-.!65:8;(! - (
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##\$! *) ' ' !%&' ' !
!#"\$\$%&,: (/ 012-3! 42512-6789! 4-8! %2-7- :! &..8389! , 78;<! ' =756=9! % -73=1! > -7.8:5?@&A08357-9! + - : : B!
' =C5?9!D- E51!% -77=339!&1235B! +5C-CC-!
!
<2\$"&,: (F=3- : !% -3-7-9! > -7.8 : !% -1.833=!
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###\$! &% (#) F!# (, > !@!<==#%>3'(%0(,?'("<."&@3!
- %,+%&!.=!-CC7=G5!.25!-A5:6-! =H! I5J70-7B!K"'"'9!KLKM9!JB(AB(C%#"@"%7(15;=: 656!JB(DB(<,,+'7(E=.8=: (
)<EEFAGB(
(
#N\$! &% (#) F!# (, > !@!<==#%>3'(%0(,?'(" - +&/,'\$(%0(H3&/3#4(59"#7(5859(!
- %,+%&!.=!-CC7=G5!.25!E8:0.51! =H!D- : 0-7B!KM"#9!KLKK9!JB(AB(C%#"@"%7(15;=: 656!JB(GB(C%="I7(E=.8=: (
)<EEFAGB(
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N\$! OPQ '#%!) > > , F (!R!! /2'+J() % * * "&,(+\$(&,"&@"(3\$(3(+* "(0%#(3&4(* " * 2"#(%0(,?'(=/2'+J,(%
3@@"#"\$\$(,?'(J% * * +,, ''(%&(3&4(+\$\$/"\$(300"J,+&.(<DF(3&@K%#(,?'() 3'+0%#&+3(D,3,"(L&+>"#\$+,47(A3\$(
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425!5WC751156!5: .2018-1E!- J=0.!4- EY1!8: .5751.!- : 6!V53;=E56!.25!C7=1C5; .! =H!2-G8: A!- : =.257!

K!

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4275B-:1! 42-29! > -:0! Q8X09! #12-! S8.5:67-! /=1-EJ8-9! >8;2-53-! I78.?:259! N-812:-G8!
/ -78:A-3-9! -:6! 4-E! /=12B\$(PB(D?"\$?3@#(5WC751151! .2-! .25! O571=: :53! %=EE8..55!

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Q2-G- : -9!V8.2!H8G5!B5-71!=H!C7=H5118=: -3!5WC5785 : ;59!C7-8156!.25!68G5718.B!-.! , -1.!Q-B!- : 6!
2-6!-G-83-J838.B!H=7!E55.8 : A1\$!S=V5G579!.25!;=E E8..55!H53.!125!3- ;<56!.25!5 : A-A5E5 : .!V8.2!
1.065 : .19!V28;2!&4#!75Z08751\$!Pb(D?"\$?3@#!-31=!: =.51!.2-.!- : =.257!75-1= : !H=7! : =.!1535 ; .8 : A!
.25!; - : 686-.5!V-1!.25!38E8.56!.V=@E=: .2!607-.8=: !=H!.25!7=35\$!S5!5WC751151!;=: ;57 : 1!-J=0!
.25!;2-335 : A51!125!E8A2.!H- ;5!8 : !X=8 : 8 : A!.25!J=-76!-!.281!C=8 : .!- : 6!5HH5 ; .8G53B!C8 ; <8 : A!OC!
V2575!(- : B-!] OC.-!35H.! =HH\$!(2515!H- ; . =71!; = .78J0.5! =!.25!65 ; 818 = : !.2-.!.2575!V575!1.7 = : A57!
; - : 686-.51!H=7!.25!C=18.8 = : \$!Ab(C%#"@%!C7=;5561! =!681;011!.25!; - : 686-.51!8 : .57G85V56!H=7!

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! 18A:8H8;-: .!H-; .71!8: !257!H-G=7!S5!:=.51!257!5WC5785: ;5!8: !2=1.8: A!;- EC0!5G5: .1!-: 6!5G5: .! E-: -A5E5: .9! V28;2! 25! J5385G51! A8G51! 257! -! 25-6! 1.-7.! 8: ! 5W5;0.8: A! 751C=: 18J838.851\$! &668.8=: -33B9! 25! 5EC2-18?51! 257! C=18.8G5! 753-.8=: 128C! V8.2! .25! +5- : ! =H! .25! %Q , ! - : 6! 257! C-7.8;8C-.8=: !8: !.25! Q018: 511!&: -3B.8; 1!%30J!-1!H07.257!1.75: A.21\$!A!(C%#'"@%!5EC2-18?51!.25! 8EC=7.-: ;5! =H! 1535; .8: A! -! ; -: 686-.5! V2=! : =. ! =: 3B! J78: A! B5-71! =H! C571=: -3! J018: 511! 5WC5785: ;5! J0.!-31=C=1151151!.25!- J838.B!.=!51.- J3812!E5- : 8: AH03!753-.8=: 128C!V8.2!1.065: .1\$! S5!1.751151!.25!18A:8H8;-: ;5! =H! ;2==18: A!1=E5=: 5!V2=!; - : !5: A-A5!V8.2!1.065: .1!5HH5; .8G53B! - : 6!5W5;0.5!C7=A7- E1!- : 6!-6G=: -; B!8: 8.8-.8G51!.2- .!V833!J5: 5H8.! .25E!6078: A! .25!.V=@E=: .2! C578=6\$!S5!10AA51.1!.2- .! .25!H=: 01!12=036! : =. !1=353B!J5! =: !B5-71! =H!5WC5785: ;5! J0.!7- .257! =: ! 865: .8HB8: A! ; - : 686-.51!V2=!2-G5!.25!C=.5: .8-3! .! =: ; 5; .!V8.2!1.065: .1! =: !-!655C57!35G53\$!HB() 3##%'"!7-815!.V=!<5B! ; =: 18657-.8=: 1!75A-768: A! .25!1535; .8=: !C7=: 511!H=7!; - : 686-.51\$I871.3B9! 25! 5EC2-18?51! .25! 8EC=7.-: ;5! =H! ;2==18: A! 8: 68G860-31! V2=! ; - : ! Z08;<3B! -6-C.! - : 6! - ; ; =EC3812!.-1<1!5HH8;85: .3B!V8.28: !.25!.V=@E=: .2!.8E5H7- E5\$!45; =: 63B9!25!28A238A2.1!.25! 18A:8H8;-: ;5! =H! ; =: 186578: A! .25! ; - : 686-.51Y! - ; -65E8; ! 1.-.01! - .! , -1.! Q-B9! C-7.8;03-73B! 75A-768: A! .2587!C=.5: .8-3!H=7!H0.075!7=351!V8.28: !.25! =7A- : 8?- .8=: \$!D- E51!1.751151!.25! : 556! . =! J-3- : ;5! .2515!H- ; . =71!- : 6!5: 1075!.2- .!J=.2!-1C5; .1!-75! ; =: 1865756!6078: A! .25!65; 818=: @E-<8: A! C7=: 511!\$!P!(D?"\$?3@#(: =.51!.2- .!J=.2!F8628!- : 6!&: -28!2-G5! =: 5!E=75!B5-7!35H.! =: !; - EC0!\$! S5!-31=!- ; < : =V356A51!.2- .!J=.2!; - : 686-.51!-75!C=.5: .8-3!; - : 686-.51!H=7!.25! : 5W.!J=-769!V28;2! V-1!.-<5: !8: . =! ; =: 18657-.8=: \$!S5!5WC751151!.2- .! .25!65; 818=: !; =036!A=!58.257!V-B\$!A!(C%#'"@%! 1.-.51!.2- .!J=.2!; - : 686-.519!F86289!- : 6!&: -289!2-G5! ; =: G5B56!.2587!8: .5751.!8: !; =: .8: 08: A! . =! V=7<!V8.2!&4#\$!S5!8: Z087851!V25.257!F8628!81!5WC5; .56! . =!A7-60-.5! .281!B5-79!8: !.25!1C78: A! =7!.25!H-33!15E51.57\$!D!(< , , + ! ; =: H87E1

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2- : 61@=: !-CC7=- ; 29!C-7.8; 03-73B!A8G5: !.25!18?5!- : 6!8EC=7.- : ; 5!=H!.25!%=335A5!=H!Q018: 511! =: !
; - EC019! V28; 2! - ; ; =E E=6- .51! -CC7=W8E - .53B! \L a ! =H!.25!1.065: .!C=CO3- .8=: \$!%= : 186578: A!
.2515!H- ; . =719!25!5WC751151! -!C75H575: ; 5!H=7! F8628! -1!.25! ; - : 686-.5! J51.!108.56!H=7!.25!7=35!
6078: A! .281! .V=@E=: .2! C578=6\$! S5! 8: G8.51! Z051.8=: ! =7! 10AA51.8=: ! H7=E! .25! ; =E E8..55!
E5E J571\$!HB() 3##%''(-6G8151!.25! ; =E E8..55! =!C78=78.8?5!.2587!75; =E E5: 6-.8=: 9! ; =: 186578: A!
.25! ; - : 686-.51! .25B! 865: .8H856! -1! .25! 1.7=: A51.! - : 6! .2=15! .25B! 75; =E E5: 6! =G57-33\$! S5!
10AA51.1!.25!8EC=7.- : ; 5!=H!75- ; 28: A! -!0: - : 8E=01!7- : <8: A! . =!5: 1075!.2- .!.25! ; =E E8..55!81!
C75C-756!8: ! ; -15!.25!H871.! ; - : 686-.5! ; 2=15: !81!0: - J35!. =! - ; ; 5C.!.25!C=18.8=: \$! S5!5EC2-18?51!
.25! : 556!H=7! -!0: - : 8E=01!75; =E E5: 6-.8=: !H7=E! .25! O571=: : 53! %=E E8..55! . =! .25! Q=-769!
- ; <: =V356A8: A!.25! ; 2-335: A5! =H!7- : <8: A! ; - : 686-.51! J0.!28A238A2.8: A!8.1!8EC=7.- : ; 5!H=7!.25!
J=-76Y1! 5G-30-.8=: ! C7=; 511\$!) B(- 3# , + & " I Q < . / + " # 3! 8: Z087851! -J=0.! .25! 75; =E E5: 6-.8=: !
C7=; 5119!155<8: A! ; 3-78.B! =: ! V25.257! .25! Q=-76! V=036!75; 58G5! -!75; =E E5: 6-.8=: !381.8: A! -33!
.2755! ; - : 686-.51!7- : <56! =7! X01.! -!18: A35! C571=: Y1! : - E5\$! HB() 3##%''(C7=G8651! ; 3-78H8; - .8=: !
75A-768: A! .25! 75; =E E5: 6-.8=: ! C7=; 511! H=7! C7515: .8: A! ; - : 686-.51! . =! .25! Q=-76\$! S5!
5EC2-18?51! .25! 8EC=7.- : ; 5! =H! 2-G8: A! -! . =C! 75; =E E5: 6-.8=: ! V2835! -31= ! ; =: 186578: A! - : !
-3.57: - .8G5\$! (281! -CC7=- ; 2! V=036!5: 1075! -!1E==.257!C7=; 511!8H!.25!H871.! ; - : 686-.5!65; 38: 519!
-1!.25!Q=-76!V=036!-375-6B!2-G5!- : ! -CC7=G56!15; =: 6! ; 2=8; 5! V8.2=0.! : 5568: A! . =!A=!J- ; <!. =!
.25! ; =E E8..55! H=7! H07.257! 6538J57-.8=: \$! P B(D? "\$? 3 @ # + (E5: .8=: 1! .2- .!.25! %=E E8..55! 81!
75; =E E5: 68: A! F86289! & : -289! - : 6! / -G8!H=7!.25!C=18.8=: !- : 6! .2- .!.25!H8: -3!65; 818=: !751.1!V8.2!
.25!Q=-76\$!HB() 3##%''(1.-.51!.2- .!.25!%=E E8..55!12=036!E -<5! -!H=7E-3!75; =E E5: 6-.8=: !. =!
.25!Q=-76!H=7!.25! -CC=8: .E5: .!. =! .25!C=18.8=: \$! S5! -6G8151! =!C7515: .! -!C78E-7B! ; 2=8; 5! -3=: A!
V8.2! - : ! -3.57: - .8G5!8: ! ; -15!.25!H871.! ; 2=8; 5!81!0: - J35!. =! - ; ; 5C. \$! (281! -CC7=- ; 2!538E8: - .51!.25!
: 556!H=7! -!75@G=.5! - : 6!1.75- E38: 51!.25!C7=; 511\$! (25!E=.8=: ! =: !.25! - J35!V833!J5! =!75; =E E5: 6!

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75;=E E5:6-.8=:1!.=!.25!Q=-76\$!S 5!C=8: .1!=0!.2-!.!;87;0EG5: .8:A!.25!751C=: 18J838.B!.=!E -<5!
 .25! 65;818=:!.=6-B! V=036! 28: 657! .25! C7=;5119! -HH87E8:A! .2-!.! .25! %=E E8..55Y1! 60.B! 81! .=!
 65.57E8:5! - :6! C7=C=15! -! E=.8=:! DB(<.,'+! ;3-78H851! .2-!.! 25! V-1! :.=! C7515: .! 6078:A! .25!
 ;-:686-.51Y!8: .57G85V1\$!S 5!-6E8.1!281!8: ;38: -.8=:!.=V-761!F8628!605! .=!281!5WC5785: ;5!V8.2!
 257\$!S=V5G579!J-156! =:!. ,78;Y1!5:6=715E5: .!=H!&: -28!-1!.25!J51!.!H8. !H7=E!.2587!8: .57G85V19!25!
 -6G=;-.51! H=7! 1535; .8:A! &: -28! -1! .25! C75H57756! ;-:686-.5\$! **PB(D?"\$?3@#+(5WC751151! 281!**
 681-A755E5: .!V8.2! .25!65;818=:!**J0.**!-;<:=V356A51!.25!8EC=7.-: ;5! =H!75-;28:A! -! ;=: 15:101!
 -E=:A! ;=E E8..55!E5EJ571\$!HB() **3##%'!5EC2-18?51!.25!8EC=7.-: ;5! =H!75-;28:A! -! -A755E5: .!**
 =:!.25! ;=E E8..55Y1!75;=E E5:6-.8=:!.=!.25!Q=-76\$!) :5!E5EJ57!E01!.!C7=C=15!.25!E=.8=:!.=!
 .25!Q=-769!1.-.8:A! .2-!.! .25!O571=: :53!%=E E8..55!75;=E E5:61!-!C-7.8;03-7!; - :686-.59!- :6!8!
 81!;70;8-3!H=7!-33!E5EJ571! .=!-A755! =:!.2- .! **PB(D?"\$?3@#+(5WC751151!281!-38A: E5: .!V8.2! .25!**
 C571C5; .8G51!- :6!75;=E E5:6-.8=:1! =H! .25!O571=: :53!%=E E8..559!- ;<:=V356A8:A!-A755E5: .!
 V8.2! .2587! G85V1\$! +51C8.5! 1=E5!75157G-.8=:19! 25!8:68;-.51! -! V8338:A:511! .=! 10CC=7.! .2587!
 1=30.8=:! I07.2579! 25! 1.-.51! .2-!.! .25! O571=: :53! %=E E8..55! 2-1! ;=335;.8G53B! 65;8656! .=!
 75;=E E5:6!&: -28!-1!.25! =C!;2=8;59!F8628!-1!.25!15;=:6!;2=8;59!- :6! / -G8!-1!.25!.2876!;2=8;5!
 H=7!.25!Q=-76Y1! ;=: 18657-.8=:!- :6!G=.5\$!

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