



a!k?H,)3\*(\*)\*(!@(!"5/3-!5/!\*5HH()-!)(!P.3!@?\*,@(!@(!8.!P5?3,(0!c!H\*3-. "'7%"B%B-'4\*,-/Dd!LDEEF0!g!  
VhVQVVE\$!  
!  
a!T#(!BHP533,A8(!9.\*',6,\*(!56!"5(-'40!J.-.,88(!.)@!-#!X.)\*,.)!7',-1/(!56!9.\*',6,\*(!9P(\*.,8!B33/(!5)!  
J.-.,88(0!X(884!&/'H.)!(@\$0!J#%#.#,#)!;f!LDEEF0!g!FfQEf\$!  
!  
a!+(!P.,)!@(!"5):(0!c!K+#'5%.&- 'L!;\$!;!LDEFF0!g!D<DQDDVS!!  
!  
!  
!  
a!9.\*',6,\*(!c!:%,%#&&-;'J#),#\*""%#.-'I.#,#M+;-;'I%<#-./':%,%#&&-;'4\*N;'(3#,#\*""7-/'I%<#-./;'OPQR'6'QSTUOPQ6'  
!  
a!9.\*',6,\*(!c!:%,%#&&-;!)+\$-'2-8'I\*")-?'9-.-/0! = .\*/3!75(8(!.)@! = .

9482,.)(!754./8-0%/A8.)\*#(-0!7%'5.\*^#")-'-'C@.#,%B-0!7>(/?.#,'I.@%,-.0!d;\$;!L;<<00!P\$!D<d\$!  
!  
7?\*,8(!K.4([Q=(8\*R()A((R0!5.\*-/+'.'k-'\*'\$'3-'5\*"B-0!7>(/?.#,'I.@%,-.0!dD\$;!L;<<D00!PP\$!D<FQES!  
!  
94@)(4!+?240!I.%")#/'5\*"B-'6'J-'k%')\*""%#//%)'-'-"?\*@/#-;!7>(/?.#,'I.@%,-.0!d<\$D!L;<<D00!P

a! J .-. ,88(!(-!3(3!Ab-(30!c!M&+70! 1 ),2('3,-4!56!M()-/\*R40!>P',8!Dh0! ; <D<!!

a!>),H.8,-4!.)@!-#(!9.\*'(@g!J .-. ,88(^3!E<-\*.8'\*0'. -k#B#\*'0!c! ; <-#l ; D3-!7()-/'4!&'()\*#!.)@!&'.)\*5P#5) (!  
9-/@,(3!,-(')-,5).8!758851/,/H0! 1 ),2('3,-4!56!9.)!&'.)\*,3\*50! = . '\*#! ; <DD\$!

a!" .33,2(!?-'.):(-?g!-' .2('3?(3!@/!A,[.'!(!@.)3!V\*#/'I%. ?-!@(!= .' ,(!X@,.4

K/H.),-(3!%,33('-.5)!&(885Y3#,P0!1),2('3,-4!56!7.8,65'),.0!9.)!%,(:50!DEFF!

;\$!

&k!dD;<0!X,)(-((-#!.)@!TY()-,(-#

F!K5)5'3^!T#(3,3!L;<<dQDf0!K5)5'^3!-#(3,3! = .@4!M/)R(80!;<;D\$!  
;G!9(,5'^3!T#(3,3!L;<<;Q;<Df0!  
DD!,)@(P( )@(-)l3-/@,(3!L;<<hQ;<DE0!  
!

D\$

!

g!!  
+(\*-/'(!75HH,--((0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))\$!  
g!!  
75Q7#.,'g!1)@(':'@/.-(!>@2,35'0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))\$!  
!  
75Q7#.,'g!n'@/.-(!>@2,35'0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))!  
Wm(\*-/,-2(!75HH,--((0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))!  
!  
Wm(\*-/,-2(!75HH,--((0!&'()\*#!.)@!B-.8,.))%(P.'-H()-!  
!  
9(. '\*#!75HH,--((3!65'!DF !7( )-'4!.)@!DE !7( )-'4!6.\* /8-40!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))!  
n'@/.-(!\*5HH,--((0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))!  
!  
K5)5'3!T#(3,3!k(P'(3( )-.-,2(!65'!-#(!&'()\*#!.)@!B-.8,.))%(P.'-H()-!  
n'@/.-(!75HH,--((0!%(P.'-H()-!56!&'()\*#!.)@!B-.8,.))!  
!  
75Q7#.,'g!n'@/.-(!9-/@,(3!%, '(\*-5'0!n'@/.-(!9-/@,(3!75HH,--(!  
J&>!&.\* /8-4!k(P'(3( )-.-,2(!65'!-#(!&'()\*#!.)@!B-.8,.))%(P-\$!!  
J&>!%,2('3,

" 1W7!\*5HH,--((0!"'56\$! =,\*#(8.!>'@,[[5],!T()/'(!.)@!"'5H5-,5)!k(2,(Y!  
+,A'.'4!+,.,35)!65'!-#(!&'()\*#(!.)@!B-.8,.)!%(P.'-H()-!  
=()-5'!-5!S/),5'!&.\* /8-4!M,(.'.)! = /'P#4!  
=()-5'!65'!-#(!n'.'@/.'-(!75)35'-,/H!  
+,3-()('!65'!-#(!q&/-'/'(!k(2,3,5),):!B),-,-,2(q!

75Q7#.,!'L9P',):00!/ )@(':'.'@/.'-(!\*5HH,--((!  
n'.'@/.'-(!75HH,--((!  
" 1W7!\*5HH,--((!65'!>33,3-.)-!"'56(335'!J',.)!C.8()- (Qt /,)) ^3!T#, '@QZ(. '!k(2,(Y!  
7#.,'0!" 1W7!\*5HH,--((0!9(),5'!B)3-'/\*-5'!>8,.)!C.)!X(835)!

n'.'@/.'-(!\*5HH,--((!  
" 1W7!\*5HH,--((!65'!"'56!M,(.'.)! = /'P#40!T()/'(!k(2,(Y!  
7#.,'0!" 1W7!\*5HH,--((0!B)3-'/\*-5'!>,H?(!M,8A.)(\$!

n'.'@/.'-(!75HH,--((!  
T(. \*#,) :!"',[(!75HH,--((!  
7



!  
=5@(')!+.):/.:(!>335\*,.-,5)0!!  
>H(\*,.)!75HP.'.-,2(!+,-('.-/'(!>335\*,.-,5)!  
%(P.'-H(-)156!75HP.'.-,2(!+,-('.-/'(0!7 1!J 5/8@('!L;<DdQ;<Df0!  
n'.@/.-(!7(',-6,\*.-(!,)!7',-,\* 8!T#(5'40!7 1!J 5/8@('!  
>),H.8!9-/@4!7(',-6,\*.-(!7 1!J 5/8@('!L;<DFQ;<;D0!  
9+9>0!;<DEQ;<!  
!