

"64>+57 J"R3,)*" 233" *0" *,=%/)" L%33&'(" *L," /32))'8" ,"\$" ,"\$" 7D')K2+" 2\$K" ,"\$" ,"\$"
70D()K2+JC" 'P=/'*)*DK' \$*)" *," 02&" /,;=3'*'K" 233 " *0" ('2K%\$N)" -," *0" L"@ " M'-," ("
7D')K2+[]"/32))J"70" ,(K'("-('2K%\$N)"%\$"*0")+332MD)"K,')"\$,*\$'\$/))2(%3+" %\$K%/2**" *0"
,(K'(" %\$" L0%/0" L" L%33" K%/D))" *8" ,) , K, " \$, "*" 'P=/'*" ('2K%\$N)" 2" *0" M, ** ;" * , " M"

0-4>68+-#2)56.,D <#';=*'K"*,"/0'2*b"^,\$[*"K,"%*J"1,(*D\$2*'3+8"*0'("2("-'L"=,))%M3"
,==,(*D\$%*%)"-,(("/0'2*%\$N"%\$"*0%)/,D()'J"O*DK'\$*)"2("'\$/,D(2N'K"*,"*23@"*,"'2/0",*0'("
2M,D**"0'"('2K%\$N)"2\$K"2M,D**"0%("-%\$20",D*)%K",-"/32))8"2\$K"2("'\$/,D(2N'K"*,"
D)"*0%(" \$,*)" 2\$K" ('2K%\$N)" L0'\$" L(%*%\$N" *0'" -%&'')2+)" 2\$K" -%\$23"=2=(J" 70" , \$3+"

K6D#L16.,+)5.' "?,L"K,"2D*0,(%*2(%2\$(D3'())D)"('&\$D')2\$K",*0'(")*2**"K%)/(!*%,\$2(+
,3)", "MD%3K")D==,(*b"S02*";2@')="2*(,\$2N")*(2*N%');,("(",("3'))D//))-D3b"?,L"
K,')"*0"2;D\$*,-"('&\$D'"2--/'*"(,)=/'*"-,(")D(&%&23b "
"64>+57'#

¥' .!2K" /02=*(" 4" Q=N)J" AV\6T" ,-" \D\$," K" X')UD%*28" \D/'8" R32)*2%(" O;%*08"
.2\$K,3=0" XJ" O%&'(\$8" 2\$K" E2;)' ^J" X,((,LJ" 455AJ" 45"(F/ '%*(/0(1/-%2% *#(
3,7)%)#J">2;M(%KN'9"XC7"F(')#

¥' .,) 8"X%/02'3"455! J"g^,)'G%3"?%\$K'("^;,(/2+bj" G /7-\$ (1/-%2% *6:(:AQAT9"A4:
A6!J#

¥' R((%,32' c,\$2(K," .J " 455B

o" \+;2\$8" ^2\$%'3" 2\$K" E'\$\$\$%-'(" c%\$KJ" 45!5J" gF+,\$N+2\$N[])" OD(&%&23" O*(2*'N+9"
 7,,3)",-"RD*0,(%*2(%\$>,\$*(,3"%\$"],(*0"h,(2Jj" 0&2 "7%/&#(3 " ",7%2=8"A:Q!T9"
 `` <v`J"
 o" ZD%\$3%&T\$;)"7J"!BBBJ" g>,D=<=(&,-%\$N9"C*)"F(2/*%/!"2\$K">,\$)'UD'\$/) "
 %\$"*0"X%KK3"d2) 1&7"7%/&#(3 " ",7%2=8"4`Q4T9"!A:J #
 ¥" 70,;=),\$8"X2(@".J"455!J" g7,"OO,,*,"(",**,"OO,,*9"F,)**, * 23%*2(%2\$%);"%\$">0%\$2"
 2\$K"d2)*'("\$dD(,='Jj" H/><#7#2%) "(1/-%2% *68"A`Q!T9"CAAJ
 ¥" f,,KL%\$ 8" E'-' 2\$K" 70'K2" O@,/=,3J" !BaBJ" gdP=32%\$%\$N" .!&,3D*%,)\$" %\$" *0"
 >,\$*!;,=(2(+70%(K"S,(3KJj" 1/-%2% *6(@/3/*% "2=8"!VQ`T9" a5BJ"

4 6 A : A

K6D# L16.,+)5.!#

- o " 0**=9eeLLLJKL,je'\$e-%&' <'2() <\$ <N+=* <2-'(<0' <2(2M)=(%\$Ne2
!aBVA`6A"
- o " 0**=9eeLLLJ*0'2*32\$*%/J/,;e%\$*('\$2*%,\$23e2(/0%&'e45!e!5e;2)K3'
'N+=* <D) <,3%/+e`B:AVe`

#1 #2 6. D 5 14

#

(43,#!!<#01,2)3+,43+45#;+,1,+5.#45>#,DF6.#)/#41,2)3+,43+45#367+86#

11 13
 K6D#L16.,+5).'S0+"K,;,%3%*2(%)"',;:*%;)'%\$*('&\$'"%\$=",3%*%)(2D)' ""0";,%3%*2(+
 02)"*0"ND\$)8"0,L"K,"/0%&%3%2\$"K%/*2*,()'&'("2%\$*2%\$"/,\$*(,3",&'("0%(";%S%#2K+b"
 3'2K'()' ,-" ;,%3%*2(+("N%;;)'&'("3%\$UD%)0",L'60+"02&";,%3%*2(+("N%;;)'M'/;,'" "
 (2(")%\$/"0">,3K"S2("\$K'Kb " "
 "64>+57'#
 ¥' f'KK')8" \2(M2(28" d(%/21(2\$_8" 2\$KE,)'=0" fJ" S(%N0*J" 45!`J" gX%3%*2(+ .D3'Jj"
 +&&, #(! ")% " . (/0(1/-%2% *#(3*% "&* "8"!V9"!`V464J"
 ¥' O@%;="N)J8!"2\$K"V4a:"- 1%\$'6"O2;D'3"dJ"!B64J45"(E#&/&(A/76"K#*N?(45"
 ! /- "(/0(25"(E%-2#7=(%&(1/-%2% *6J"c,\$K,\$9"F233"X233J
 o " \+)"@%;;8"-(:;"*0%)"('2K%\$N"C")%:=3+"L2\$*"+,D"*,"N"*2')\$)""-,"*0"-2/*,()"
 02";,%N0*"/2D)""*0";,%3%*2(+**,"%\$*('&\$'"%\$=",3%*%/)2\$K);\$)"02*";,%N0*"
 L%*0K(2L"J
 ¥' .'2K"/02=*(':"g70"d\$K",-*0".N%;;9"F,3%*%/23"O,/%'*+" 2\$K"*0"X%3%*2(+j)Q=N)J"
 :: <6VT",-O*1=2\$8"R3-'KJ"!BaaJ""25%&N%&'(E%-2#7=(1/-%2% *6?(87#R)-(#&\$25"(3/,25"7&
 H/&"S"F(%\$/*,\$9"F(%\$/*,\$#%\$&'())%*+"F(')J
 ¥' X2(%\$,&8"]%@,32+" 2\$K"?'%\$" f,0.24 338.4[9L0 0 0.24 363.691 444.9543 cm 70.2518]%4

¥" ?D\$*%\$N*, \$8" O2;D'3" FJ" !BV5J" gO, /%23" 2\$K" C\$)*%*D*%, \$23" ^+\$2; %A 2(* G\$'
O+)*); Jj"C\$" +, 25/7%2#7%#&(1 /-%2% *6(%&(E/\$"7&(3/ *% "2=8"dK)J"O2;D'3" FJ"?D\$*%\$N*, \$"
2\$K">3'; \$*"?J"X,, ('J"J"L"i, (@9"2)%/"\,, @)8"==J"A <VJ"
¥" J2*02\$8"R\$K('L"EJ"455AJ"gRD*0, (%*2(%2\$%)\$3j" 9/ , 7&#(/0(J " > / *7#*=8"! Q!T9"
6<VJ"
¥" .!2K" *0"*0', (+)'/*%, \$"2\$K")'/*%, \$) , \$"X232+)%2" Q=N)J"`` <48"V` <BA8"!!6<4`8"
!`6 <6A8"4!! <44: T"%\$"O32*(8"^2\$J"45!57\$ "7&' (1 / . "7?(H/&2"&2% / , 6(1 /-%2% *6(#&\$(
+, 25/7%2#7%#&(F")%#25#&6(%&(3 / , 25"#62(+6%#(c'&%*) @+\$K" S2+" Q45!58" A!α

¥" .'2K"/02=*('A"g^/%)%,\$"X2@%\$N"%\$F,)*/,3,\$%23"R-(%/2j"Q=N;JT!A%\$"&2\$"K"
S233'8"j%/,32)J 455!J407%*#&(;*/&/>% "6(#&\$ (25"(1/-%2%*6(/0(1 "7>#& "&2(H7%6%6:(
DYVYZDYYYJ"jL"i (@9">2;M(%KN"#%\$&'())%*+"F())J

"
"

8 10

K6D#L16.,+)5.' "C"*%)&'(+/,;,\$"-,(/,\$*';=(2(+2D*0,(%*2(%2\$('N%:')"*,"0,3K"2*"3'2)*"
)';% <,;='%*%&' "3'/*%,\$)8" %\$,\$*(2)*"*," A5" +2()" 2N,J" S0+" 02&" ");2\$+" K%/*2*,)"
2N(" K"*,"0,3K""3'/*%,\$)

+ > "7% *#&(9/,7&#(/0(1 /-%2% *#(3 *% "& * "8:aQ4T954 p`!`J "
¥" X/X%332\$8" E,0\$8" 2\$K" F2M3," n,%K,J" g?,L" *,")DM&'(*" K';,(2/+9" X,\$*)%\$,) "%\$
F'(DJj" 9/,7&#(/0(; */&/>%*(1 "76<" *2%) "68"!aQT9"6B4J"
¥" 70("M(%-"\$'L)=2='("2(*%/3')9 "
o" 0**=9eeLLLJKLJ/;;e'\$e2-(%/2\$D*0,(%*2(%2\$%;') <K('2K<- </,%23<
;K%2e2<B56VV!V""
o" 0**=)9eeLLLJL2)0%\$N*,\$=,) *J/;;e,=%\$%,)\$e2D*0,(%*2(%2\$%;') <'*,3 <
0'%<'K%2 <,\$(,3 <(2*N+e45! e5!e!5e!/:M-26' <Vaa6<!A <-V<
!AM-5'BB6:-6l)*,(+J0*;3bD*;!'(;kJA-A'V4'VAV5/ ""
o" 0**=9eeLLLJL%('KJ/;;e45!6e5!e),/%2\$ 'K%2;2K' <0' <2(2M)=(%\$MMD*
/,D3K\$*<2&' </%*e
¥" .'2K"=N)J"!BA <B`"Q*0" "M(%-"(';2(@)"2M,D*"3%*(2/+ "2\$K"%\$KD)*(%23"=(,KD/*%,\$T"-(-;"
X2\$8" X%/02'3J" !BaaJ" g70" RD*,\$,;D)" F,L'(" ,-" *0" O*2*9" C*)" G(%N%\$)8"
X'/02\$%);"2\$K".)D3*)Jj" ; ,7/< "#&(9/,7&#(/0(3/ *% /- / '=84:Q4T9"!a<4!AJ"
"



¥" .!2K"=N)J"a6 <`4"-(;;" >0");2\$8 "]%/J"45!:J" J ">/ *7#*=(%&(+07% *#?(3, **"66"6:(
P#-,7"6:(#&\$25"(327, ' '-"(0/7(1/-%2% *#(! "0/7>