## !"#\$"%&'()'\*+,-.//'00'.\*,

1 / %#00#) .2'#(3("4"(, / ""5'\*+, .\*,! "#\$"%&'()'\*+,'\*, - .(. / %'#,

66,7&(8,9:9;,

-<#'2=0,>& / /#28,

! "#\$\$#%&'(#)\*)+,#../#0/12/3&4'54"6#78994::48"#;0<7=#28">/"/5#1"#?931::158@41'A'/>/'#9//-4"6#-8#54:2&::#78'89341B:#C/12/3&4'54"6#1"5#:&:-14"4"6#C/12/#/DC/@4/"2/:#1"5#C@48@4-4/:,#E82&:4"6#8"#-./#:&22/::/:#1"5#@/914"4"6#2.1"/"6/:F#G./#0@/:45/"-#8E#-./#H/C&3'42#8E#78'89341,#IFJF#K@F#L&:-1>8#0/-@8,#

-8#-./#C124E421-48"#8E#78'89341F#G./#0@/:45/"-#-./@/E8@/,#21''/5#E8@#-./#@/>4-1'4S1-48"#8E#@14"E8@/:-:,#
4"2'&54"6#-.@8&6.#1#6'831'#C8'42(#1"5#C1@-"/@:.4CF##

``F# B 20, - #2(.0, N&'I, B #00'''&\,>O''\$'#(,N''O2''0''\*5#5'4'',.L,5<'',>''\$2"'5#283M''\*''2#(,G>N>MJ,L.2,, -.(./%'#,#\*),?"#),.L,5<",PQ,R"2'L'\$#5'.\*,B'00'.\*,'\*,-.(./%'#\,2899/"5/5,0\end{a}/:45/"-# 0/-@8B:#E82&:#8"#://W4"6#-./#12.4/>/9/"-#8E#aG8-1"#0/12/B#E8@#78'89341#1"5#1CC@/241-/5#-./# E0&4-E&'# 28''13801-48"# 3/-V//"# 78'89341"# 1&-.804-4/:# 1"5#-./# POF# I /# V/'289/5# 78'89341B:# /"616/9/"-#V4-.#-./#78994::48"#-8#:.1@/#/DC/@4/"2/:#1:#V/''#1:#-8#/DC'8@/#.8V#-./#PQ#21"# /".1"2/# C/12/3&4'54"6# /EE8@-:# 4"# 78'89341F# G./# OHOL# &"5/@:28@/5# 78'89341B:# .4:-8@42# 12.4/>/9/"-:# 8E# - ./# C/12/# C@82/::# 5/:C4-/# - ./# 9 &'-4E12/-/5# :8248A/28"8942# 2.1''/"6/:# 1"5# 28"E'42-:F#Z"#-/@9:#8E#-./#@/914"4"6#2.1"'/"6/:,#./#"8-/5#-./#"//5#-8b#4=#5/A/:21'1-/#-./#8"684"6# 28"E'42-:#1"5#4"2@/1:/#C@8-/2-48"#E8@#2899&"4-4/:#1"5#>&'"/@13'/#C/@:8":^#44=#-./#@/4"-/6@1-48"#8E# E8@ 9 /@# 28 9 31-1"-:^# 444=#-4 9 / '(#49 C'/ 9 / "-1-48"# 8E#-./#) \*\$ \(\bar{4} = \text{P} - \tex /-. "42#2.1C-/@#1"5#6/"5/@#C@8>4:48":^#4>=#@&@1'#@/E8@9:#149/5#-8#8>/@289/#:-@&2-&@1'#21&:/:#8E#-./# 28"E'42-,#"8-13'(#-./#1"5#0/28"24'41-48"F# I /#28"-4"&/5#3(#"8-4"6#-.1-#-./#PQ#R/@4E421-48"#K4::48"#.1:#:&CC8@-/5#-./:/#"1-48"1''(#8V"/5# C@48@4-4/:#-.@8&6.#1#C@812-4>/#1CC@812.F#78"2/@"4"6#-./#XG8-1'#0/12/Y#C8'42(,#-./#PO#.1:#3//"# 13'/#-8#/DC1"5#4-:#1::4:-1"2/#-8#:&CC8@-#541'86&/:#V4-.#-./#@/914"4"6#1@9/5#6@8&C:F#01@-42&'1@'(# 5&/#-8#-./#0/12/3&4'54"6#M&"5B:#;0<M=#:-@1-/642#:&CC8@-.#-./#PQ#.1:#3//"#13'/#-8#1::4:-#2@&241'# 541'86&/#C@82/::/:F#G./#OHOL#"8-/5#-.1-#1:#-./#:4-&1-48"#@/914":#5("1942,#./#21''/5#E8@#-./# 4"-/@"1-48"1'#2899&"4-(,#4"2'&54"6#-./#78994::48",#-8#:&CC8@-#78'89341B:#/EE8@-:#4"#155@/::4"6# 8"684"6#2.1''/"6/:#-8#3&4'54"6#C/12/,#-14'80/5#-8#78'89341B:#0/U&/:-:#1"5#"//5:F#

;0, B 00, B #2'#, A&+"\*'#, B .0S&"2#%, T"+#(,N"O2"0"\*5#5'4", .L, - . / / &\*'5"'0, H&'()'\*+, !"#\$",'\*, - .(. / %'#,G - UQ! 1V - UTJ%,#:-0/::/5#-./#540/#28":/U&/"2/:#8E#109/5#28"E'42-##-8#C/8C'/B:#'4>/:F# G . /0/E80/,#: . /#&"5/0:280/5#-. /#"//5#E80#2/1:/E40/#"8-#8"'(#3/-V//"#L8>/0"9/"-#1"5#4''424-#12-80:,# 3&-#3/-V//"#1"5#198"6#4''424-#12-80:#-./9:/'>/:,#-8#/"5#>248'/"2/F#O . /#E&0-./0#/9C .1:4S/5#-./# 49C/01-4>/#8E#V89/"B:#C10-424C1-48"#4"#28"E'42-#C0/>/"-48"#1"5#C/12/3&4'54"6F#Z"#-.1-#0/6105,#:./# /DC0/::/5#601-4-&5/#-8#-./#2&00/"-#1594"4:-01-48"#E80#/"28&0164"6#-./#>842/:#8E#V89/",#(8&-.,#1"5#/-."42#94"804-4/:#-8

 $C/12/\#160//9 / "-:\#4"\#-.1-\#0/6105F\#Z"\#-/09 :\#8E\#-./\#:\&22/::E\&'\#1"5\#9\&-\&1''(\#3/"/E4241'\#28''13801-48"\#3/-V//"\#78'89341\#1"5\#-./\#78994::48",\#-./\#?OL\#/9C.1:4S/5\#-./\#"1-48"1'\#8V"/0:.4C\#549/":48"^\#1\#289C0/./":4>/#1CC0812.#-8#3&4'54"6#1"5#28":8'451-4"6#C/12/#d\#C10-42&'10'(#-./#"/D&:<math>\#3/-V//"\#C/12/\#1"5\#5/>/'8C9/"-\#-8\#1550/::4"6\#-./\#088-\#21&:/:\#8E\#28"E'42-^#1"5\#4"2'&:4>/\#C/12/3&4'54"6\#1:\#4":-0&9/"-1'F###$ 

X0, B'' / %''2,>5#5''0,Y''(\$. / ''),5<'',%2'''L'\*+0,#\*),<'+<('+<5''),5<'',L.((.Y'\*+Z#

• G./(#12W"8V'/56/5#-./#:46"4E421"-#C@86@/::#@/61@54"6#-./#)\*\$[#0/12/#?6@//9/"-#1:#V/''#