! "#\$%& '() **+,(-.\$/(.0"'1"1(2.'3.#4()*56(

 $G(+1\%'')\$(4"-*8D"(4"'*+\%"3;"A*.0+)\%84*'()"(4"(2:*8)\&+)")*"3\%"\&-\&8\%"*,")\$\%")(2\%"\&+'"\%,,*8)")\$\&)"-(..."3\%"8\%@O(8\%''(+"*8'\%")*"\%4)\&3.(4\$"\&"+\%-".\&+/O\&/\%"1*23(+&)(*+"(+"5\#564"7\%8)(,(1&)(*+"98*/8&2B"\#\$\%":8*1\%44"1\&+")\&D*'4\%A\%8\&.";\%84"&+'"8\@O(8\%4"\&"'\%''(1&)\%''\&+'"D+*-.\%''/\&3.\%"-*8D/8\%0:B"9.\%&4\%"+*)\%"$

K"#?%="\$D((

- " 5)".%&4)"!K"*,")\$%": %*: .%"*+")\$%".(4)" 2 04)"4(/+"&"+*+M3(+'(+/".%))%8"*,"(+)%+)"1*+,(8 2 (+/")\$&)")\$%;"(+)%+'")*")&D%"5 # 5 64"1%8)(,(1&)(*+"%H& 2 "(+")\$%"+% ".&+/0&/%"1* 2 3(+&)(*+" ()\$(+") *" ;%&84" *,")\$%" '&)%" \$%+" ()" (4" ,(84)" *, ,%8% 'B" #\$(4" .%))%8" *," (+)%+)" (4")&D%+" &4" &" 4%8(*04" 1* 2 2 () 2 %+)")*")&D%")\$%"%H& 2 "- ()\$(+")\$%"(+'(1&)%'")(2 %)"&+'"4\$*0. '"3%"4(/+%'"*+.;"3;")\$*44" \$*"\$&A%"%A%8;"(+)%+)(*+"*,"'*+(+/"4*B"#\$%".%))%84"*,"(+)%+)"+%%'"+*)"3%"403 2 ())%'"&.*+/" ()\$")\$%".(4)"*,"\$K"+& 2 %4\"&+'")\$%"1* 2 2 ())%"1&+"1*+)(+0%"()4" *8D"&,)%8")\$%".(4)"*,"\$K"+& 2 %4" \$&4"3%%+"403 2 ())%'"T"\$* %A%8\")\$%"+% ".&+/0&/%"1* 2 3(+&)(*+"1&++*)"8%1%(A%",(+&."&::8*A&." 0+)(.")\$%"8%@0(8%'".%))%84"*,"(+)%+)"\$&A%"3%%+"403 2 ())%'"B"U:*+"403 2 (44(*+"*,")\$%".(4)4\")\$%",*08M;%&8":%8(*'",*8"1* 2 :.%)(*+"*,")\$%":8*1%44"3%/(+4B"
- " 5)".%&4)",(A%"*,")\$*4%" \$*"4(/+")\$%"+*+M3(+'(+/".%))%8"*,"(+)%+)"E&",*82".%))%8F"&+'"&8%"+*)" 2 % 2 3%84"*,")\$%"1* 2 2())%%" *8D(+/")*"%4)&3.(4\$")\$%"+% ".&+/0&/%"1* 2 3(+&)(*+" 2 04)"&.4*" (+'(1&)%")\$&)")\$%;"&8%" (..(+/")*"3%1* 2 %"/8& '%84" &,)%8": &44(+/")\$%"%H& 2 "&+'"3%1* 2 (+/" 1%8)(,(%'B" #\$(4" (4" +%1%44&8;" (+" *8'%8")*" %+408%")\$&)" 2 % 2 3%84" *,")\$%"*8(/(+&." /8&'(+/" -*8D/8*0:" (..."\$&A%"&+"*::*8)O+();")*")&D%")\$%"%H& 2 "&4"4**+"&4":*44(3.%"&,)%8"4%8A(+/"&4" /8&'%84",*8")\$%",(84)") *"; %&84B" 5 4"&+"(+1%+)(A%)")\$*4%" \$*"4(/+")\$%".%))%8"*,"(+)%+)" (..."/%)" &"JKV"'(41*O+)"*+")\$%"%H& 2 ",%%B"
- " #\$%"%4)&3.(4\$ 2 %+)"*,"&"1*O+)%8:&8)"/8*O:"E)%4)(+/"(+")\$%"*::*4()%".&+/O&/%"'(8%1)(*+F"(4" %+1*O8&/%''30)"+*)"8%@0(8%'B"
 - $! \ \ \# \$\%" \ 7\%8)(,(1\&)(*+"7*2\ 2\ ())\%"\&::8*A\%4")\$\%"\&::.(1\&)(*+B"W+1\%")\$\%"1*2\ 2\ ())\%\%64"\&::.(1\&)(*+")*\%4)\&3.(4\$"\&"+\%-".\&+/0\&/\%"1*2\ 3(+\&)(*+"$\&4"3\%+"&11\%:)\%'>"-*8D"3\%/(+4"*+"/8\&'\%8")8\&(+(+/>":&44\&/\%"4\%.\%1)(*+>"&+'"::8\%:&8\&)(*+"*,"/8\&'(+/"/0('\%.(+\%4B"\#\$\%"\%+)(8\%"::8*1\%44"*,"%4)&3.(4\$(+/"&"+\%-".\&+/0\&/\%"1*2\ 3(+\&)(*+"4\$*0.'"3\%"1*2:.\%)\%'"-(::8*\%+E)\% \ 1\&D\%"$

!B PP GO3 2 ()" /8& '%8"8Q4O 2 Q4"&+'")\$8%"(+'%:%+'%+)":8*,%44(*+&."8%,%8%+1%4",*8"%&1\$"/8& '%8")*" ?%& '@O&8)%84B" W+" &::8*A&.>")\$%" 5 # 5 64" 7 %8)(,(1&)(*+"98*/8&2" 2 &+&/%8" - (..":8*A('%" &::8*:8(&)%" 2 &)%8(&."(+1.0'(+/"C*3"'%418(:)(*+4",*8")\$%".&+/O&/%" 1\$&(8"&+'"/8&'%84>"/O('%.(+%4",*8":&44&/%"4%)(*+>"4&2:.%":&44&/%4>"/8&'(+/"4)&+'&8'4>"&+'"*)\$%8"O4%,O." (+,*8 2 &)(*+B"Z % 2 3%84"*,")\$%" - *8D/8*O:" - (.."3%"/(A%+"&11%44")*")\$%"/8& '%8"<&4%1&2:"&4"&" \$%.:,O."8%4*O81%"&+'")\$%".(&(4*+"-(.."&'A(4%")\$%"-*8D/8*O:"*+"/8& '%8")8&(+(+/>"&44&/%"4%)*")\$%".\$%.:,O."8%4*O81%"&+'")\$%".(&(4*+"-(.."&'A(4%")\$%"-*8D/8*O:"*+"/8& '%8")8&(+(+/>"&44&/%"4%)*")\$%".\$%...

 $"W+1\%")\$\%"/8\&'(+/"-*8D/8*0:"(4"4\%.\%1)\%'>"/8\&'\%84"2\&;"\&))\%+'"\&+;"/8\&'\%8"-*8D4\$*:4"\\ *,,%8\%'"3;")\$\%"7\%8)(,(1\&)(*+"7*22())\%\rangle"&+'")\$\%".\&+/0&/\%"1\$\&(8"*8"&"-*8D/8*0:"8\%:8\%4\%+)\&)(A\%"(4"(+A()\%'")*"&+;"-*8D4$*:4",*8".&+/0&/\%"1$&(84\B"5)".\%&4)"*+\%"2\%23\%8"*,")$\%"-*8D/8*0:"03$/"&))\%+'"401$"&"-*8D4$*:"3\%,*8\%")$\%".&+/0&/\%"1*23(+&)(*+"-(.."3\%"&::8*A\%'\B"$

- OB PP"G%.%1)") *": &44&/%4B" #\$%" /8& ' (+/" *8D/8*0:>".% '"3;")\$%".&+/0&/%"1\$&(8>"4%.%1)4") *"
 : &44&/%4")\$&)" (.."4%8A%"&4")\$%"(+()(&.":8&1)(1%")%4)] [+/.(4\$")8&+4.&)(*+4"204)"3%":8*A('%'"
 ,*8",*8%(/+".&+/0&/%":&44&/%4] &+'"4032()4")\$%2")*")\$%"9&44&/%"G%.%1)(*+"#&4D"^*81%",*8"
 8%A(% "&+'"&::8*A&.B"EY)"(4":8%,%8&3.%"30)"+*)"+%1%44&8;")*"4032()"3*)\$":&44&/%4"&)")\$%"4&2%"
)(2 %BF" _ \$%+"&":&44&/%"\$&4"3%%+"&::8*A%'>")\$%"/8&'%44"&D%")\$%":8&1)(1%")%4)4>"/8&'"%41\$"
)\$%864")8&+4.&)(+4>"&+'"''(41044")\$%(8"/8&'(+/""%1(4(*+4B)"
- RB 98%: &8%"/8&'(+/"/O('%.(+%4"*+")\$%"3&4(4"*,")\$%"/8&'(+/"'%1(4(*+4\text{B}"EG& 2:.\%": &44\text{&}/\mathbb{M}4:\%1(,(1"\text{&}\text
- SB PP"GO32()"/8&'(+/"/0('%.(+%4")*")%"7%8)(,(1&)(*+"7*22())%%",*8"8%A(% B"
 - #\$%".&+/O&/%"1\$&(8"4\$*0.'"1*+)&1)"5#564"7%8)(,(1&)(*+"98*/8&2"2&+&/%8")*"&88&+/%",*8"&)".&4)"*+%"*,")\$%"/8&'%84")*"&)%+'"&"/8&'%8")8&(+(+/"%()\$%8"&)")\$%"4:8(+/".&+/O&/%"1\$&(84"2%)(+/"(+"5.%H&+'8(&)"`(8/(+(&"E040&..;"5:8(."*8"Z&;F"*8"&)"5#564"5++O&."7*+,%8%+1%B"a*",O+'(+/"(4":8*A('%'",*8")\$(4"(+)(&.")8&(+(+/B"

,*8": 8&1)(1%")%4)4>"4(H",*8"%H&24>"*+\"4&2:.\%F",*8",*8\(/+\M(+)*M[+/.(4\$>":8\%4\%+)")\$\%"2&)\%8(&.4")*")\$\%"7\%8)(,(1&)(*+"7*22())\%\",*8"8\%A(\%-"&+'"&::8\%A&.B""

 $\begin{array}{l} \text{Y+"\&''()(*+")*"} \ 4(\text{H"\&1})(\text{A\%" \%H\& 2":\&44\&/\%4"\&+'"\&)".\%\&4)") - *":8\&1)(1\%")\%4)4>"\&..." \ 1\%8)(,(1\&)(*+"\&+/0\&/\%":\&(84"\&8\"8\@0(8\"")*"2\&(+)\&(+"\&)".\%\&4)")\$8\\"&''()(*+\&.":\&44\&/\%4"\&4"3\&1D0:4\""\%4)(+/"(+"\&"+\%-":&(8"1\&+"3\\"\&:8*A\"'\%A\\+"(,")$\\""-*8D/8*0:"$&4"+*)"4\\.\%1)\\"")$\\"3\&1D0:4\"":8*A('\%'")$\\"")$\\""-*8D/8*0:"$\\""-*8D/8*0:"$\\""-*8D/8*0:"\$