



9,:8:9-,\$97-,,=8R=0\$:8\$-\$R5B/H\$B5\$:8F:<:F/-,\$0/H=5<:0:B8\$MB5C->6\$J7:0\$H5-9>:9/C\$-,0B\$:8>=8F0\$>B\$0=5<=\$-0\$-\$0/HHB5>:<=\$  
=8<:5B8C=8>\$>B\$=QH5=00\$+B/5\$<:=V0\$-8F\$\/=0>:B80\$5=R-5F:8R\$H0+97B>7=5-H+40/H=5<:0:B84-8F\$9B80/,>->:B84-0\$V=,,  
-0\$>B\$>-U=\$>:C=\$>B\$9BCC:>\$>B\$+B/5\$H5BM=00:B8-,\$F=<=,BHC=8>\$-0\$-\$H0+97B,BR:0>6\$

\$

! 0+97B,BR+%)K\*\$0S,:8:9-,\$]-. B5->B5+P\$

! ,=-0=\$8B>=\$>7->\$>7:0\$:0\$=\$80

^ ==U\$%\$1\$

\$1\$! /C-5:=R-@W6\$at@AB>7=@[6@E:-8@W6@S-5,:0,=@]6@JBHH=,. =5R@S6@?-55:0@J6@6\$6\$` \$  
"C:>7@6\$02\*3)P6\$! 5-9>:9=\$H-5-C=>=5\$MB5\$9/,>/5-,\$9BCH=>=89=\$:8\$97:,F\$-8F\$-FB,=09=8>\$H0+97:->5:9\$H5-9>:9=6\$

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

^ ==U\$3L\$g\$ \$g\$ ^ =:0Z@a6\$A6` \$b-ZF:84W6\$[6\$02\*3' P6\$J7=\$H5=0=8>\$-8F\$M/>/5=\$BMS=<:F=89=I. -0=F\$  
H0+97B>7=5-H:=0MB5\$97:,F5=8\$-8F\$-FB,=09=8>06\$e8\$a6\$A6\$ ^ =:0Z\$` \$W6\$[6\$b-ZF:8\$0[F06P`  
\$Y=V\$#B5U\$C/:,MB5F6\$

\$

- ! 5-9>:9= ^ :0=\$">/F=8>\$" / . 095:H>:B8\$0VVV6\$! 5-9>:9=V:0=69BCP\$g\$:80>5/9>:B80\$H5B<:F=F\$. =,BV\$-8F\$:8\$9,-00\$
  - ! 5-9>:9= ^ :0=\$["<:F=89=I\_-0=F\$"=5<:9=0\$0! ^ ["P\$WHH,:9->:B8\$
  - E BF / , -5\$VHH5B-97\$>B\$J7=5-H+\$MB5\$S7:,F5=8\$V:>7\$W8Q:=>+4=H5=00:B84J5-/C-4B5\$SB8F/9>\$  
! 5B. ,=C0\$0EWJS?IW4JSP\$
  - ! 5-9>:B8=5\$C/:F=0\$
  - S,:8:9-,4-07. B-5F0\$

\_+>\$7=\$-8F\$BMS>7=\$0=C=0>=54:>:0\$=QH=9>=F\$>7->+B/\$V:,,97:=<=\$7=\$MB,,BV:8R\$RB-,0G\$\$

\_+>\$7=\$-8F\$BMS>7=\$0=C=0>=54:>:0\$=QH=9>=F\$>7->+B/\$V:,,97:=<=\$7=\$MB,,BV:8R\$RB-,0G\$\$

- W8\$-V-5=8=00\$BMS=>7:9-,\$9B80:F=5->:B80\$5=R-5F:8R\$>7=\$H5-9>:9=\$-8F\$9B8>=8>BMSH0+97B>7=5-H+\$\$\$
- W8\$/8F=50>-8F:8R\$BMS>7=\$:CHB5>-89=\$BMSF:<=50:>+-\$-8F\$:8F:<:F/-,\$F:MM=5=89=0\$V7=8\$VB5U:8R\$V:>7\$9,,:=8>0\$
- J7=\$- . ,:>+\$>B\$F=<=,BH\$-8F\$H5=0=8>\$>7B5B/R7\$9-0=\$9B89=H>/-,:Z->:B80\$>7->9-8\$R/:F=\$>7=\$F=<=,BHC=8>\$-8F\$  
F=,:<=5+\$BMS=MM=9>:<=\$9BR8:>:<=I. =7-<:B5-,\$:8>=5<=8>:B80\$
- b8BV,=FR=\$BMS=CH:5:9-,,+\$0/HHB5>=F\$H5:89:H,=0\$-8F\$C=97-8:0C0\$>7->\$/8F=5,,:\$9,:8:9-,\$F:0B5F=50\$-8F\$  
=MM=9>:<=\$:8>=5<=8>:B80\$MB5\$>7=0=\$F:0B5F=50\$
- W8\$/8F=50>-8F:8R\$BMSH5:89:H,=0\$/8F=5,+8R\$=MM=9>:<=\$0/H=5<:0:B8\$-8F\$9B80/,>->:B84-0\$V=,,-\$-0\$0/H=5<:0:B8\$  
:00/=0\$0H=9:MI:9\$>B\$=CH:5:9-,,+\$0/HHB5>=F\$8>=5<=8>:B80\$

J7=\$H/5HB0=\$BMS>7:0\$H5-9>:9/C\$9B/50=\$:0\$MB5\$0>/F=8>0\$>B\$F=<=,BH\$>7=\$5=\/:0:>=\$0U:,,0\$=>\$  
>B\$9BCH=>=8>,+F=,:<=5\$5=>->C=8>\$>B\$+B/>7\$. -0=F\$B8\$>7=B5+\$-8F\$=CH:5:9-,\$=<:F=89=6\$W99B5F:8R,+4>7:0\$9B/50=\$V:,,  
=CH7-0:Z=\$>7=\$H5-9>:9-,\$-HH,:9->:B8\$BMS=<:F=89=I. -0=F\$H5-9>:9=0\$MB5\$+B/>76\$J7:0\$9B/50=\$V:,,. =\$9=8>=5=F\$-5B/8F\$>7=\$  
/0=\$BMS=CH:5:9:0C\$-8F\$7BV\$V=\$/0=\$=CH:5:9-,\$C=>7BF0\$>B\$=MM=9>:<=,+R/:F=\$B/5\$-HH5B-97\$>B\$VB5U:8R\$V:>7\$97:,F5=8\$

J7=0=\$=QH=9>->:B80\$-5=\$8B>\$C=-8>\$-0\$-\$0/. 0>:>/>=\$MB5\$>7=\$9BCH=>=89:=0\$  
F=095:.. =F\$-8F\$=<-,-/ ->=F\$:8\$>7=\$H5BR5-CT0\$H5-9>:9/C\$=<-,-/ ->:B8i\$5->7=5\$>7=0=\$-5=\$C=-8>\$>B\$. =CB5=\$0H=9:M:9\$  
B. X=9>:<=0\$MB5\$>7:0\$H-5>:9/, -5\$9B/50=6\$

36 4=CB80>5->=\$-8\$-V-5=8=00\$BM\$>7=\$=>7:9-, \$9B80:F=5->:B80\$0H=9:M:9\$>B\$>7=\$H5-9>:9=\$BM\$H0+97B>7=5-H+\$V:>7\$  
97:.,F\$-8F\$-FB,=09=8>\$HBH/, ->:B80\$

26 4=CB80>5->=\$-8\$/8F=50>-8F:8R\$BM\$>7=\$:CHB5>-89=\$BM\$F:<=50:>+>-8F\$:8F:<:F/-, \$F:MM=5=89=0\$V7=8\$VB5U:8R\$  
V:>7\$97:.,F\$-8F\$-FB,=09=8>\$9,,:=8>0\$

)6 b8BV\$7BV\$>B\$/0=\$>7=\$! ^ [ \_ "\$F->- . -0=\$B\$97BB0=\$-8\$-HH5BH5:->=\$<:F=89=I. -0=F\$]=<=,\$3\$B5\$]=<=,\$2\$  
>5=->C=8>\$MB5\$=-97\$9,,:=8>\$

D6 b8BV\$V7=8\$>B\$0==U\$0/H=5<:0:B8\$

L6 b8BV\$V7=8\$>B\$5=M=5\$0V:>7\$0/H=5<:0:B8P\$>B\$B>7=5\$H5BM=00:B8-,0\$

%6 SBCH,=>=\$-.,\$H-H=5VB5U\$:8\$-\$:C=,+\$C-88=5\$0>7:0\$:89,/F=0\$97-5>\$8B>=0\$-8F\$-00=00C=8>\$5=HB5>0P\$

' 6 SBCH,=>=\$:8>-U=0\$:8\$-\$:C=,+\$C-88=5\$0:6=6\$312\$0=00:B80P6\$W\$9BCH,=>=\$:8>-U=\$V:.,,\$89,/F=\$03P\$-\$F:-R8B0>:9\$  
=<-,-/ ->:B80\$:6=6\$+B/\$07B/,F\$. =-\$-.,=\$>B\$-55:<=\$->\$-8\$-HH5BH5:->=\$F:-R8B0:0\$-8F\$5/,=IB/>\$5=,->=F\$F:-R8B0=0P\$  
02P\$-\$H5=,:C:8-5+\$M/89>:B8-.,+I. -0=F\$9-0=\$9B89=H/>-,:Z->:B8\$. -0=F\$B8\$5=,<-8>\$>7=B5+60)P\$>5=->C=8>\$RB-,0\$  
0>->=F\$:8\$C=-0/5-.,=\$>5C0\$-8F\$0DP\$-\$H5=,:C:8-5+\$>5=->C=8>\$H,-8F\$=5:<=F\$M5BC\$>7=B5+\$-8F\$5=0=-597\$

(6 !5B<:F=\$M=F. -9U\$>B\$9,,:=8>0\$-M=5\$9BCH,=>:B8\$BM\$>7=\$:8>-U=\$-00=00C=8>6\$J7:0\$V:.,,\$89,/F=\$C-U:8R\$0/5=\$>7->\$  
>7=\$9,,:=8>\$/8F=50>-8F0\$>7=\$>5=->C=8>\$H,-8\$-8F\$>7=\$>5->:B8-,=\$. =7:8F\$>7=\$>5->C=8>\$H,-8\$-8F\$>7->\$>7=5=\$0\$  
-R5==C=8>\$>=>V==8\$>7=\$9,,:=8>\$-8F\$>7=\$>7=5-H:0\$B8\$>7=\$RB-,0\$-8F\$>7=\$>5=->C=8>\$H,-8\$J7=\$0/>F=8>\$07B/,F\$  
-,0B\$U8BV\$7BV\$>B\$7-8F,=\$0:>/ ->:B80\$:8\$V7:97\$5=-0B8-.,=\$-R5==C=8>\$9-88B>\$. =5\$=-97=F\$

K6 ; 0=\$9,,:8:9-,\$F-07. B-5F0\$>B\$5-9U\$-8F\$/0=\$B/>9BC=\$F->-\$B\$:8MB5C\$>7=\$>5->C=8>\$H,-8\$

3\*6 "=>\$-8\$-R=8F-\$V:>7\$>7=\$9,,:=8>\$MB5\$=-97\$0=00:B8\$

336 W55:<=\$>\$-HH5BH5:->=\$7BC=VB5U\$-00:R8C=8>0\$:8\$9B80/,>->:B8\$V:>7\$>7=\$0/H=5<:0:B8\$>=-C\$-8F\$>7=\$E WJS?<?  
C-8/-,\$

326 ; 0=\$>7=\$,,:>=5->/5=6E WJS?<8F\$! ^ [ \_ "\$>B\$9BC=\$>B\$0/H=5<:0:B8\$V:>7\$:F=-0\$M

RB-,00P\$07B/,F\$. =\$F=<=,BH=F\$>B\$-FF5=00\$-\$0U:,,,\$+B/\$U8BV\$+B/\$8==F\$>B\$. /:,F\$/HB86\$W8\$-HH5BH5:->=\$>5-:8:8R\$RB-,.\$0\$  
B8=\$>7->\$+B/\$9B/,F\$VB5U\$B8\$V:>7\$>7=\$9,,:=8>00P\$+B/\$-5=\$0==:8R\$B5\$=0H=9>\$>B\$0==>7:0\$0=C=0>=5\$-8F\$B8=\$>7->\$07B/,F\$  
7=,H\$+B/\$-95B00\$C/,>:H,=\$9,,:=8>&H5B. ,=C\$H5=0=8>->:B806\$A=C=C. =5\$>7:0\$RB-,.\$0\$-. B/>\$+B/5\$. =7-<:B5\$8B>\$+B/5\$  
9,,:=8>T0\$. =7-<:B56\$[Q-CH,=0\$C:R7>\$:89,/F=\$,-58:8R\$

J7=\$- . B<=\$R/:F=,;8=0\$V,,\$. =\$>-:,B5=F\$-99B5F:8R\$>B\$=-97\$0H=9:M:9\$0:>/->:B8i\$7BV=<=5\$+B/\$07B/,F\$/0=\$>7=0=\$  
R/:F=,;8=0\$>B\$F=<=,BH\$-HH5BH5:->=\$QH=9->:B80\$- . B/>\$>7=\$8/C. =5\$BMS9B8>-9>\$7B/50\$+B/\$V:,,\$. =\$QH=9>=F\$>B\$7-<=\$  
=-97\$V==U6\$

A \$

#B/\$-8F\$+B/5\$9,;=>\$C/0>\$9BC=\$>B\$-\$5=9BR8>:B8\$M5BC\$>7=\$B/>0=>\$>7->\$>7=5-H=/:9\$H5BR5=00\$V:,,\$. =\$0:R8:M:9-8>,+  
7-CH=5=F\$. +\$:89B80:0>=>8\$->>=8F-89=6\$E B5=B<=5\$-\$9,;=>8>T0\$M-:/,5=\$>B\$9B80:0>=>8>,+>=>=8F\$0=00:B80\$=MM=9>:<=,+5\$B. 0\$  
+B/\$BMS-8\$BHHB5/>8:>+\$MB5\$>5-:8:8R6\$J7=5=MB5=49,;=>8>0\$V7B\$7-<=\$>VB\$j 8B\$07BV0k\$:8\$-\$0=C=0>=5\$V:,,\$. =\$>=5C:8->=F\$  
M5BC\$>5=->C=8>\$-8F\$V:,,\$8==F\$>B\$RB\$. -9U\$B8\$>7=\$9,:8:9\$V->:|,;0>\$BMS>7=+\$V:07\$>B\$9B8>8/=0=5<:9=06\$J7=\$0-C=\$:0\$5/= \$  
MB5\$9,;=>8>0\$V7B\$9B80:0>=>8>,+0:6=6\$) \$B5\$CB5=\$>:C=0\$-\$0=C=0>=5P\$9-89=,\$0=00:B80\$V:>7B/>\$5=097=F/,;8R\$MB5\$>7=\$0-C=\$  
V==U6\$S,;=>8>0\$V7B\$-55:<=\$CB5=\$>7-8\$3L\$C:8/>=0\$, ->=\$MB5\$-\$0=00:B8\$07B/,F\$=QH=9>=F\$>B\$. =\$-0U=F\$>B\$5=097=F/,=\$0-8F\$  
>7:0\$VB/,F\$9B/8>\$-0\$-\$9-89=,,->:B8P6\$[09=H>:B80\$. -0=F\$B8\$=0>=8/->:8R\$9:59/C0>-89=0\$V:,,\$. =\$C-F=\$5-5=,+40B\$C-U=\$  
0/5=\$+B/5\$9,;=>8>\$:0\$-V-5=\$BMS>7=0=\$HB,;9:=06\$

J7=\$R5-F:8R\$BMS>7:0\$H5-9>:9/C\$V:,,\$. =\$ . -0=F\$B8\$>7=\$>0>=>8>\$>B\$V7:97\$>7=\$,-58:8R\$B/>9BC=0\$7-<=\$. ==8\$-97:=<=F6\$  
J7=\$CBF-,;=>0\$>7->\$V:,,\$. =\$/0=F\$>B\$-97:=<=\$-8\$=0>:C->=\$BMS>7=\$,-58:8R\$B/>9BC=0\$V:,,\$:89,/F=6\$

\$

36 ! -5>:9:H->:B8\$8\$H-5>:9/, -5\$H-5>:9:H->:B8\$:8\$>7=\$MB5C\$BMSR5B/H\$0/H=5<:0:B8\$

26 | 8RB:8R\$9-0=\$H5=0=8>->:B80\$8\$H-5>:9/, -5\$>7B0=\$>7=(9B(\$)6(F=)1(C)-5(B80)3((9B(5)4(7=)1(=)4(=)1(\$)6(:)5((

>7=\$:8>=5:C\$9,:8:9\$F:5=9>B5@456\$E=ZB\$0QD)KKi\$9=,,G\$D3K\$)2K\$3' \*)P6\$eM\$+B/\$-5=\$/8-. ,=\$>B\$R=>:\$8>B/97\$V:>7\$C=\$B5\$>7=\$  
:8>=5:C\$9,:8:9\$F:5=9>B5@+B/\$07B/,F\$>7=8\$5=\/=0>\$0/H=5<:0:B8\$M5BC\$-8\$B>7=5\$9B5=\$9,:8:9-,\$M-9/,>+\$C=C. =56\$1:8-,,+@  
9-,,:8R\$K33\$:0\$-8\$BH>:B86\$\$

\$

^=\$V:,,9BCH,=>=\$>7=\$S,:8:9-,\$! 0+97B,BR+! 5BR5-C\$S,:8:9-,\$SBCH=>=89:=0\$[<-,->:B8\$MB5\$! 5-9>:9/C\$B5\$[Q>=5807:H\$  
MB5C\$00==SWHH=8F:Q\$! \$BMS>7=\$?-8F. BBU\$BMS>7=\$S,:8:9-,\$! 0+97B,BR+! 5BR5-CP\$->\$>7=\$=8F\$BMS=-97\$0=C=0>=56\$>:\$0\$+B/5\$  
5=0HB80:.,>+\$>B\$-55-8R=\$-\$:C=\$->\$>7=\$=8F\$BMS>7=\$0=C=0>=5\$>B\$5=<:=V\$>7:0\$=<-,->:B8\$V:>7\$+B/5\$0/H=5<:0B56\$  
A=C=C. =5@>7=0=\$=<-,->:B80\$-5=\$MB5C->:<=@>7=+\$-5=\$C=-8>\$>B\$R:<=\$+B/\$M=F. -9U\$>B\$M/5>7=5\$+B/5\$F=<=,BHC=8>\$-0\$  
-\$9,:8:9:-86\$

\$

^=\$V:



A A

J7=\$; 8:<=50:>+\$.0\$-8\$=\/-, \$BH5B>/8:>+=\$F/9->:B8-, \$.80:>:/>:B86\$! ,=-0=\$5=-F\$J7=\$; 8:<=50:>+T0\$! B, :9+\$">->=C=8>\$B8\$  
YB8F:095:C:8->:B8\$B8\$>7=\$ \_-0:0\$B\$4:0-. ., ;,+ \$WC=5:9-80\$V:>7\$4:0-. ., ;,+ \$W9>\$SBCH, : -89=6\$\$

A A

J7=\$; 8:<=50:>+ \$B\$JB, =FB\$:0\$9BCC:>=>F\$>B\$H5B<:F:8R\$=\/-, \$-99=00\$>B\$=F/9->:B8\$MB5\$-, , \$0>/F=8>06\$eM\$+B/7-<=\$-\$  
FB9/C=8>=F\$F:0-. ., ;,+ \$B5\$+B/\$. =, ;=<=\$+B/7-<=\$-\$F:0-. ., ;,+ \$-8F\$VB/, F\$, :U=\$:8MB5C->:B8\$5=R-5F:8R\$-9-F=C:9\$  
-99BCCBF->:B80&-FX/0>C=8>0\$:8\$>7:0\$9B/50=\$H, =-0=\$9B8>-9>\$>7=\$">/F=8>\$4:0-. ., ;,+ \$"=5<:9=0\$! M: 9=6\$

- ">/F=8>0\$V:, \$->=>8F\$R5B/H\$-8F\$:8F:<:F/-, \$0/H=5<:0:B86\$eM\$-\$0>/F=8>:0\$8B>\$-. , =>B\$C-U=\$-\$C==>:8R@>7=\$  
0>/F=8>\$V:, \$097=F/, =-\$C==>:8R\$V:>7\$>7=\$0/H=5<:0B5\$>B\$9BCH, =>=\$V==U, +\$0/H=5<:0:B86\$eM\$>7=\$0/H=5<:0B5\$:0\$  
/8-. , =>B\$->=>8F\$R5B/H\$B5\$:8F:<:F/-, \$0/H=5<:0:B8\$C==>:8R0@=>7=5\$>7=\$0/H=5<:0B5\$V:, \$5=097=F/, =>7=\$  
C==>:8R\$B5\$-8B>7=5\$0/H=5<:0B5\$V:, \$, =F=8>:M:=F\$>B\$H5B<:F=\$9B<=5-R=6\$\$
- ">/F=8>0\$V:, \$9BC=\$>B\$=-97\$R5B/H\$-8F\$:8F:<:F/-, \$0/H=5<:0:B8\$C==>:8R\$H5=H-5=F\$>B\$F:09/00\$9, :=8>0@H5=0=8>\$  
5=, =<-8>\$-/F:BI<:0/-, \$C->=5:-, @-8F\$F:09/00\$5=-F:8R06\$\$
- ">/F=8>0\$V:, \$F=CB80>5->=\$-\$9BCC:>C=8>\$>B\$H5B<:F:8R\$9BCH=>=8>\$9, :=8>\$9-5=6\$\$

--	--	--

