$\begin{array}{l} 4=&C6/\$4B\$9\$B=975/02\$B=45\$/12./=\$6/TC/03/:\$04\$5922/=\$2./\$102/0@/@\$<C=<46/:=\$:13.\$9??4;/@\$12\$24\$39=8/64C2\$2./\$/021=/\$59=U/2\$4B\$>=/962\$3903/=\$7/0/213\$2/62107\$B4=\$126/?BH^{a} \end{array}$ 

 $\begin{aligned} &7/0/2136H^{IW}\$\$b92/026\$=/5910\$/66/0219?\$B4=\$2./\$<=42/32140\$4B\$0/;\$5/2.4@6\$900\$\\ &<=43/66/6\$R6C3.\$96\$5/@139?\$2/626\$90@\$2=/925/0265:\$>C2\$.98/$<=48/0\$10/BB/3218/$\\ &92\$<=42/32107\$2./\$7/0/213\$6/TC/03/6\$2.92\$=/6C?2\$B=45\$100489218/$>145/@139?\$=/6/9=3.H^{I\#}\$\$w0\$2/=56\$4B\$102/??/32C9?$<=4</=2F:\$7/0/213$6/TC/03/6\$9=/$81=2C9??F$\\ &10@162107C16.9>?/\$B=45\$345<C2/=$34@/:^{I-$};.13.\$.96\$?407$>//0\$9BB4=@/@$@C9?$$<<92/02134<F=17.2$<=42/32140H^{Ia} $^C62\$96\$345<C2/=$34@/$/5>4@1/6\$9$6/2$4B$\\ &1062=C321406\$24\$>/$C6/@\$10$9$593.10/:$7/0/213$34@/$6151?9=?F$/5>4@1/6$9$6/2$4B$\\ &1062=C321406$24$>/$C6/@$10$9$593.10/:$7/0/213$34@/$6151?9=?F$/5>4@1/6$9$6/2$4B$\\ &1062=C321406$24$>/$C6/@$P$$9$?18107:$>14?47139?$f593.10/Hg^{LN}$$-.0$ 6C3.$$6/TC/03/6$9216BF$9??$42./=$=/TC1=/5/026$4B$34<F=17.2$?9;:$2./=/$16$04$=/9640$$\\ &B4=$=/7162=92140$24$>/$=/BC6/@H$$\end{aligned}$ 

 $\begin{array}{l} 2.90\ /K<?41292140\ \%\ '\ .16\ 042/\ 3403?\ C@/6\ 2.92\ 9\ 7/0/213\ 34<\ F=17\ .2\ 6\ F62/\ 5\ 16\ 66/0219?\ 24\ <=4\ 5\ 42/\ 2\ ./\ <=47=/66\ 4B\ 631/03/\ 90\ @\ =/93\ .\ 9\ <=4</=\ >9?903/\ >/2\ ;\ //0\ <<>>13\ 90\ @\ <=1892/\ 102/=/626\ 10\ 7/0/213\ 6\ TC/03/6\ \% \end{array}$ 

 $\text{MB} \quad \text{'`} \ \ \ + \ ( \ ( \ \& \ \& \ BO' \ \& \ EkE' \ P \ )$ 

- 4C?@\$12\$042\$6CBB13/\$24\$=/6/=8/\$10\$9??\$396/6\$9\$=17.2\$24\$2./\$<C>?13\$24\$9>4?16.\$

2./\$<=181?/7/\$92\$9\$<=13/\$24\$>/\$6</31B1/@\$10\$2./\$7=902\$4B\$12D<sup>LV</sup>\$

 $\label{eq:solution} \begin{array}{l} \$0\$ = /3455/0@107\$2.92\$2./\$ < \!C > \!\!13\$ = /6/=8/\$9\$ f > \!CF4C2g\$ = \!17.2!\$ P 9@1640\$ \\ 3?/9=?F\$15 < \!\!1/@\$2.92\$645/\$108/021406\$59F\$ > \!/\$34061@/=/@\$244\$15 < \!\!4=\!\!902\$B4=\!\!\$\\ /8/0\$9\$?1512/@62/=5\$5404 < \!\!4?F\$24\$ > \!\!\$7=\!\!902/@\$L^{\tt}\$$'./\$O, [+\$9=\!7C/6\$2.16\$8/=F\$ < \!\!4102!\$ 966/=\!2107\$2.92\$7/0/\$ < \!\!92/026\$ 814?92/\$2./\$, 406212C2140\$ > \!\!F\$ 6?4; 107\$ 631/021B13\$9@8903/5/02!\$92./=\$2.90\$ < \!\!4542107\$2./\$<\!\!=\!\!47=/66\$44\$631/03/\$^{L\#}\$ \\ \end{array}$ 

 $\begin{aligned} & 34061@/=/@\$96\$345 </0692140\$B4=\$9\$>/0/B12\$932C9??F\$7910/@\$24\$2./\$3455C012F\$\\ & 96\$9\$<C=3.96/=\$4B\$<=4</=2F\$; .13.\$2./\$4; 0/=\$42./=; 16/\$517.2\$; 12..4?@\$B=45\$\\ & <C>?13\&C6/H\$'./=/\$390\$>/\$04\$WC62\$4>M/32140\$24\$9\2/5<4=9=F\$5404<4?F\$10\&2./6/\$\\ & 396/6p\$>C2\$12\$4C7.2\&24\$>/\2/5<4=9=F:$>/39C6/\&C0@/=\&2.92\$?151292140\$9\&CBB131/02\$\\ & =/345</06/\$90@\$/034C=97/5/02\$59F\$>/\$718/0H$H$H"W$$ 

'. C6:\$2./\$X=95/=6\$3?/9=?F\$@1@\$042\$102/0@\$24\$7=902\$5404<4?1/6\$40\$.C590\$7/0/6H\$\$&2\$; 4C?@\$>/\$9>6C=@\$24\$3402/0@\$2.92\$40/A6\$4; 0\$7/0/213\$34@/\$; /=/\$f<=4</=2Fg\$2.92\$34C?@\$>/\$4;0/@\$>F\$9\$345<90F\$90@\$;12../?@\$B=45\$<C>?13\$C6/H\$\$-.1?/\$9\$<9=13C?9=\$9.'1#6\$4B\$7/0/213\$2/62107\$59F\$69216BF\$2./\$=/TC1=/5/026\$4B\$<92/029>?/\$6C>M/32\$5922/=:\$7/0/213\$6/TC/03/6\$615<?F\$@4\$042\$1084?8/\$2./\$=/TC1=/@\$108/0218/0/66\$24\$7=902\$9\$5404<4?FH\$

?5) )=1.)7.(.)0&'.(')83"'.9)%")C.'+%9.('&-)'#)'1.)0/;-%\$)G('.+."')

O6\$ @163C66/@\$ 9>48/:\$ 62=132?F\$ /OB4=

 $\label{eq:rI:NNN:} $$ $ < /2124=6\$9=/\$; 9=F\$4B\$ PF=19@A6\$?121714C6\$092C=/:\$90@\$./612902\$24\$ 4BB/=\$=/6C?26\$2.92\$ 59F\$>/\$81/; /@\$96\$10B=107107H^{V\#}\$ - 12.4C2\$90F\$9?2/=09218/:\$ <921/026\$ 5C62\$2=C62$2./$TC9?12F$90@$/BB131/03F$4B$2./$2/626$2.92$ PF=19@$4BB/=6H^V-$$ './=/$16$04$4<2140$B4=$9$6/340@$4<10140:$64$=/6C?26$ 5C62$61 5<?F$>/$933/<2/@$ 96$933C=92/H^{va}$$ +0@/=$2./6/$31=3C 562903/6:$ PF=19@$/BB/3218/?F$3402=4?6$2./$$ 

 $\begin{array}{l} 433C == 107:\$ 164?92/@\$ * \&O\$6/7 5 / 026:g^{\#\#}\$9841@107\$9\$2.4=4C7.\$909?F616\$4B\$2./\$ \\ 166C/\$9?247/2./=\$OB2/=\$3403/@107\$2.92\$f3 * &O\$=/29106\$2./\$092C=9??F\$433C==107\$ \\ /K406\$4B\$ * &Og:^{\#}-\$2./\$, 4C=2\$B4C0@\$2.92\$3 * &O\$16\$042\$9\$f<=4@C32\$4B\$092C=/:g\$ \\ >/39C6/\$ f12\$ 16\$ @1621032\$ B=45\$2./\$ * &O\$ B=45\$; :.13.\$12\$; :96\$ @/=18/@Hg^{\#a}\$ \\ O334=@107\$24\$2./\$, 4C=2:\$3 * &O\$16\$>96/@\$40\$9\$092C=9?\$ * &O\$6/TC/03/\$90@\$ \\ =/29106\$2./\$62=C32C=/\$90@\$6/TC/03/\$4B\$092C=9?\$ * &O:\$>C2\$F/2\$16\$645/.4; $042\$ \\ 126/?B\$34061@/=/@\$9$f<=4@C32$4B$092C=/Hg^{N} \\ \end{array}$ 

- ./0\$ 34061@/=/@\$ 10\$ 2./1=\$ <=4</=:\$ 092C=9?\$ 3402/K2:\$ P F=19@A6\$ 3 \* &O\$ 6/TC/03/6\$@4\$042\$5 //2\$2./\$=/TC1=/5/026\$4B\$<92/029>1?12FH\$3 \* &O\$16\$3=/92/@\$>F\$ =/8/=6/62=9063=1>107\$5 ( &O\$54?/3C?/6:-"\$; .13.\$9=/\$6.4=2/0/@\$8/=61406\$4B\$2./\$ 4=17109?\$7 \* &O\$6/TC/03/H\$\$ - .1?/\$3 \* &O\$16\$@1BB/=/02\$B=4 5 \$f092C=9?\$\$ &O:\$10\$ 2.92\$2./\$040634@107\$102=406\$.98/\$>//0\$=/ 5 48/@:\$2./\$092C=9??F6433C==107\$/K40\$ 6/TC/03/6\$=/ 5 910\$CO9?2/=/@H-'\$\$3 \* &O\$6F02./616\$C6/6\$9\$; /??GU04; 0\$<=43/66\$ 2.92\$f>/7106\$; 12.\$90\$5 ( &O\$54?/3C?/\$90@\$C6/6\$2./\$092C=9?\$>40@107\$<=4</=21/6\$ 4B\$ 0C3?/421@/6\$24\$ 3=/92/\$9\$0/; :\$6F02./213\$ \* &O\$ 5 4?/3C?/Hg-V\$\$ c/39C6/\$2.16\$ 3 \* &O\$ 5 4?/3C?/\$16\$ 5 /=?F\$9\$2=906?92140\$4B\$092C=9??F6433C==107\$ \* &O15 ( &O:\$12\$16\$042\$6CBB131/02?F\$108/0218/\$24\$MC621BF\$<92/02\$<=42/32140H\$\$0?2.4C7.\$2./\$, 4C=2\$ 3403?C@/@\$2.92\$ f2./\$?9\$2/3.013190\$ COTC/621409>?F\$ 3=/92/6\$ 64 5 /2.107\$ 0/; \$; .0\$ 3 \* &O\$ 16\$ 5 9@';g\$ 2./\$?/8/?\$ 4B\$ 3=/921812F\$1084?8/@\$10\$ 2./\$ @16348/=F:\$164?92140.\$90@\$ 2=906?92140\$ 4B\$ 9\$ <9=213C?9=\$7/0/213\$ 6/TC/03/:\$ C6107\$ 9\$; ???G U04; 0\$\$290@\$2=906?92140\$ 4B\$ 9\$</p>

\$

#\_5) G6H\$92\$VaVH\$

- \_I5) 8..)%65\$
- \_L5) G65\$92\$VaW\$RE39?19:\$^H:\$3403C==107\$H\$

\$ \_\_'!!\$ \*90\$ [ !\$ c C=U:\$=1.) ? /+%#/")G( \$%6.(')#\*)'1.)8/E+.9.) ?#/+')%(), 3+%&6)7.(.'%\$":\$aN\$&) ' ( \\$ \*OP \\$ [ !\$ ( \ ] !\$VNV:\$VN\_\$RLNI ! \$!!\$

) \_!5) 8..), 3+%&6:\$VWa\$+HEH\$92\$VaVH\$

) \_V5) G65)92\$V\_LH\$

) \_W5) G65)92\$VaV5)

<sup>) ##5)</sup> G6H\$92\$Va!H\$

<sup>) #</sup>a5) G6H\$

\_N5) G6H\$

LNI aj\$

## ?5) 7.(.)8.D/.(\$.")&+.)?#E3+%21'&;-.)&(6)81#/-6);.)K.\$#2(%U.6)&")8/\$1)

 $+0@/=\$2./\$Ia\#W\$, 4<F=17.2\$O32:\$2./\$3C=/02\$748/=0107\$?9; :\$2./\$6C>\%/32\$5922/=\$4B\$34<F=17.2\$103?C@/6\$9??\$f4=17109?\$; 4=U6\$4B\$9C2.4=6.1<\$IK/@\$10\$90F\$29071>?/\$5/@IC5\$4B\$/K<=/66140:\$04; \$U04; 0\$4=\$?92/=$@/8/?4</@:\$B=45$; .13.$2./F\$390$>/$</=3/18/@:$=/<=4@C3/@:$4=$42./=6; 16/$3455C01392/@:$/12./=$@1=/32?F$4=$; 12.$2./$91@$4B$9$593.10/$4=$@/813/Hg^{IN#}$`./$6292C2/:$2./=/B4=/$?15126$<=42/32140$24$4=17109?$; 4=U6$2.92$9=/$fBIK/@:g$4=$</=590/02:$10$9$f29071>?/$5/@IC5$4B$/K<=/66140Hg^{IN}-$$-.1?/$7/0/213$6/TC/03/6$9=/$042$X/K<?1312?F$5/02140/@$10$2./$, 4<F=17.2$032:$2./F$9=/$3?/9=?F$fBIK/@g$96$7/0/213$34@/$10$29071>?/:$</=590/02$*&OH^{IN}$XC=2./=:$*&O$; 4C?@$3406212C2/$9$f?92/=$@/8/?4</@g$5/@IC5$4B$/K<=/66140:^{IIN}$6103/$12$16$39<9>?/$4B$>/107$</=3/18/@$f; 12.$2./$91@$4B$9$593.10/$4=$@/813/g$2.=4C7.$*&O$$6/TC/03107H^{II}$`.C6:$2./$, 4<F=17.2$)BB13/A6$=/BC69?$24$=/7162/=$7/0/213$34@/$96$9$5922/=$4B$<=1031<?/$16$3402=9=F$24$2./$2.$%4F$4B$34<</p>$ 

!!a\$

TC13U?F:11a

$$\begin{split} &390\$ >/\$ / K <=/66/@\$ /12. /=\$ 96\$ <. F6139?\$ 0C3?/421@/\$ 6/TC/03/6\$ 4=\$ 10\$ 9\$ B4=5 \$ \\ &</=3/<21>?/\$>F\$. C 5 906 H^{1"1}\$' . /\$10B4=5 921409?\$3402/02\$10\$>42. \$6F62/ 5 6\$390\$>/\$ 5 4@1B1/@\$ <=/@1329>?F\$ 24\$ 9?2/=\$ 2. /$ 5 /6697/$ C?21 5 92/?F$ >/107$ 3408/F/@H^{1"L}\$$ '. C6:$ ; .1?/$42. /=$B4= 5 6$4B$>142/3.04?47139?$1004892140$ 5 9F$042$69216BF$2. /$ =/TC1=/ 5 /026$ 4B$ 34<F=17.2:$ 7/0/213$ 34@/$ 3?/9=?F$ B9??6$ ; 12.10$ 2. /$ 634</$ 4B$ <=42/32140H^{1""}$$$

 $\begin{array}{l} - .F\$ ; 4C?@\$ 7/0/\$ 34 < F=17.26\$ >/\$ 9\$ >/22/=\$ 4 < 2140\$ 2.90\$ 7/0/\$ < 92/026D\$\$ \\ , 45 < 9=/@\$24\$ < 92/026:\$34 < F=17.26\$698/\$215/\$90@\$ 540/F:\$9??4; 107\$=/6/9=3./=6\$ \\ 24\$B43C6\$40\$1004892140\$=92./=\$2.90\$3462?F\$ < 92/02\$9 < ?!3921406B^{1"a}\$\$ , 4 < F=17.2\$ \\ ?9; \$16\$9?64\$?/66\$62=132\$2.90\$ < 92/02\$?9; :\$9??4; 107\$42./=6\$24\$ < C1?@\$40\$ < =42/32/@\$; \\ 4=U6\$ ; 12.4C2\$B/9=\$4B\$90\$10B=107/5/02\$932140B^{11}\$\$ \$109?F:\$34 < < F=17.2\$?/0@6\$ \\ 126/?B\$24\$?13/06107\$62=C32C=/6\$2.92\$ < 42.\$=/; 9=@\$1004892140\$90@\$ <=4542/\$933/66\$ \\ 24\$10B4=592140B^{11}\$$ '. C6:\$9\$7/0/213\$34 < < F=17.2\$6F62/5\$; 4C?@\$6/=8/\$2./\$102/=/626\$ \\ 4B\$/8/=F40/\\$1084?8/@\\$=92./=\$2.90\$</=2/2C92107\$2./\$<C>?13\$ < < ?13F\$3403/=06\$4B\$ \\ 2./\$3C==/02\$7/0/\$<92/02\$6F62/5\$ \\ \end{tabularred}

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\$

!5) =1.)0/;-%\$)H#/-6)@.)@.''')8.+4.6);3)&)7.(.'%\$)?#E3+%21')83'''.9\$) H1%\$1)H#/-6)0+#9#'.)M+..)!\$\$.''')4)G(\*#+9&'%#()

LNI aj\$

1004892140\$; .1?/\$621??\$9??4; 107\$=/6/9=3./=6\$24\$=/2910\$7/0/=9?\$3402=4?\$48/=\$2./\$ 3455/=319?1J92140\$4B\$2./1=\$108/021406H\$

@5) !)83"'. 9)#\*)?#E3+%21')0+#'.\$'%#()H#/-6)@.''.+)8.+4.)G(4.('#+"S) !--#R%(2)=1.9)'#)M#\$/")#()G((#4&'%#()K&'1.+)'1&()FVE-#%'&'%#()

, 4 < F=17 . 264BB / = \$93 . /9 < / = \$90@ \$8962 / = \$9?2 / = 09218 / \$84 = \$10048924 = 6\$24\$ < = 42 / 32\$2 . /1=<math>102 / ?? / 32C9? < = 4 < / = 2F 34 5 <9 / @ $24$2 . /$ <= 43 / 66$4B$4 > 2910107$9$ <92 / 02H^{11} - $$$  $b = 46 / 3C2140$4B$9$6107? /$ <92 / 02$2F <139??F$ = /TC1 = /6$ "NG ! N$ 5 402 . 6^{1!a}$90@$92$? / 962$$ r IN:NNH<sup>IVN</sup>\$ c F\$ 34 5 <9 = 1640:\$ 34 < F=17 . 2\$ <= 42 / 32140\$ 16\$ 10621?? /@\$15 5 /@192 / ?F\$C <40\$ 9\$ ; 4=UA6\$ 3= /92140: <sup>IV1</sup>\$ 90@\$ = /7162=92140\$ 40?F\$ > /34 5 /6\$ 0/3 / 669=F\$ 24\$34 5 5 /03 / \$90\$10B=107 / 5 /02\$932140H<sup>IVL</sup>\$\$X4=\$9\$65 9??\$4=\$62=C77?107\$34=<4=92140:\$2 . /6 / \$@16210321406\$ 390\$ 5 /90\$2 . /\$@1BB /= /03 / \$> /2 ; //0\$ 6C33 / 66\$ 90@\$B91?C= /H\$\$0\$34 < F=17 . 2\$ 6F62 / 5 :\$2 . /=/B4= /:\$; 4C?@\$9??4 ; \$=/6/9=3 . /=6\$24\$ <C2\$ 5 4= /\$21 5 /\$90@\$5 40 / F\$24 ; 9=@\$1004892140\$=92 . /=\$2 . 90\$ = /@C29 < H\$

$$\label{eq:solution} \begin{split} & O \ 34 < F = 17.2 \ 6F62/5 \ 9?64 \ 9?1706 \ ; 12. \ =/6/9 = 3. /=64 \ 0// \ 0 \ 24 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 6440 \ 96 \ 6461 \ >?/ \ 84 \ <C >?16. \ 810 \ 0 \ 1076 \ 96 \ 86440 \ 96 \ 84661 \ >?/ \ 84 \ <-S \ >10 \ 82 \ ./ \ 84 \ <-S \ >10 \ 84 \ <-S \ >10 \ 810 \ 810 \ 810 \ 810 \ 86 \ 86440 \ 96 \ 864661 \ >?/ \ 84 \ <-S \ >10$$

!V"\$

$$\begin{split} 9 &= \sqrt{9891?9} > ?! \cdot I^{Va} \$ \$ \$ 4 < F = 17.2 \$ 4; 0 < \$ 5 9 F \$ 1062 / 9 \$ \$ 6 / / U \$ 4 \$ < / 348 / = \$ . / \$ 10B = 107 / = A6 \$ \\ &< 4B126: \$ 10 \$ 9 @ @ 12140 \$ 24 \$ . 16 \$ 4; 0 \$ @ 9 5 97 / 6 H^{IWN} \$ \$ B \$ 2. / \$ 10B = 107 / 5 / 0 2 \$ 16 \$ ; 1??BC?: \$ 2. / \$ 34C = 2 \$ 5 9 F : \$ 10 \$ 126 \$ @ 163 = / 2140 : \$ 103 = / 96 / \$ 2. / \$ @ 9 5 97 / 6 \$ 9; 9 = @ \$ C < \$ 24 \$ r I VN: NNNH^{IWI} \$ P 4 = / 48 / = : \$ 2. / \$ 34C = 2 \$ 390 \$ 1 5 < 4C0 @ \$ 9? \$ 10B = 107 107 \$ 9 = 213? / 6 \$ @ C = 107 \$ ? 121792140 : \$ 96 \$ 90 F \$ 5 / 90 C B 34 = $ 5 90 C B 932 C = / $ 4 = $ - < = 4 @ C 32140 H^{IWL} $ \$ B \$ 340 B 132 / @ $ 4B \$ 10B = 107 / 5 / 0 2 : $ 90 F $ 1.07 \$ 1 5 < 4C0 @ / @ \$ @ C = 107 \$ = 19? \$ 5 9 F $ / $ 4 = @ / $ = / @ 8 & 340 B 132 / @ $ 4B \$ 10B = 107 / 5 / 0 2 : $ 90 F $ 1.07 \$ 1 5 < 4C0 @ / @ \$ @ C = 107 \$ = 19? \$ 5 9 F $ / $ 4 = @ / $ = / $ = / $ = / $ = / $ = / $ = / $ = 108 = 107 / $ $ B \$ 340 B 132 / @ $ 4B \$ 10B = 107 / 5 / 0 2 : $ 90 F $ 1.07 \$ 1 5 < 4C0 @ / @ $ @ C = 107 \$ = 19? \$ 5 9 F $ / $ 4 = @ / $ =$$

?5) ! \$1%. 4%(2)&)0+#E.+)@&-&(\$.)@.'R..()0/;-%\$)&(6)0+%4&'.)G('.+.''')%'')Y.3)=#R&+6)0+#9#'%(2)'1.)0+#2+.''')#\*)8\$%.(\$.)

- .1?/\$7/0/\$<92/026\$9=/\$042\$2./\$906; /=!\$12\$16\$7/0/=9??F\$=/34701J/@\$2.92\$64 5 / \$ B4= 5 \$ 4B\$ 102/??/32C9? <=4</=2F\$<=42/32140\$ 16\$ 0/3/669=F\$24\$<=4542/\$340210C/@\$ 1004892140H\$ \$ X91?C=/\$24\$<=44</=?F\$ 69B/7C9=@\$2./\$ B=C126\$4B\$ 6C3. \$ 1004892140\\$; 4C?@\$?/9@\$042\$40?F\$24\$?462\$=/6/9=3.\$108/625/026:1W!\$>C2\$24\$2./\$/8/02C9?%@4; 0B9??%4B\$9\$r !NN\$>1??140\$10@C62=FH<sup>IWV</sup>\$) 0\$2./\$42./=\$.90@:\$2./\$3C==/02\$ <92/0263/02=13\\$B=95/; 4=U\\$.96\\$?/@\\$24\\$5404<4?16213\\$<=93213/6\\$90@\\$.96\\$621B?/@\$ 1004892140H<sup>IWW</sup>\$ (93.107\$9\$>9?903/\$>/2; //0\$=/; 9=@107\$1004892140\$90@\$ <=4542107\$933/66\$24\$10B4=592140\$16\$U/F\$24\$B931?1292107\$2./\$<=47=/66\$4B\$ >142/3.04?47FH\$\$O6\$7/0/\$<92/026\$340210C/\$24\$@/3?10/:\$=/6/9=3./=6\$5C62\$<C6.\$ B4=\$90\$9?2/=09218/\$B4=5\$4B\$<=42/32140\$24\$B1??\$2./\$79<6\$?/B2\$>/.10@H\$

 $\begin{array}{l} O6\$ 2. \$ 0 / \$ 6\$ 4\$ 2. \$ > 142/3. 04?47F\$ 10@C62=F\$ 340210C/\$ 24\$ / 84?8/\$ 2. \$ \\ 102/?? / 32C9?\$ <= 4 < /= 2F\$ 6F62 / 5 \$ 5 C62\$ 9?64\$ / 84?8 / \$ 24\$ 9334 5 5 4@92 / \$ 12\#\$ - .1? / \$ 0 / ; \$ \\ 7 / 0/213\$ @16348 / = 1/6\$ = / 5 910\$ / 66 / 0219?:\$ 2. / \$ B1 / ? @\$ .96\$ 6. 1B2 / @\$ 5 4 = / $24 ; 9 = @\$ 6F02. / 213\$ > 14?47F:\$ 4=\$ f7 / 0/213\$ / 0710 / = 107 Hg^{1W}\$ \$ - . / = / $403 / $2. \$ 5 / = / $$ 

<=42/32140 90@ 1004892140 16 3/=2910 F 9\$ ; 4=2.G ; .1?/ 0@/984= /6</319 F ; ./0\$.C 5 90 1669= 92 629U/H

*H*<sup>%</sup>--%&9)*C*<sup>%</sup>. '*U*[)

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<sup>\$</sup> v\$% ^H \* H:\$ E4C2. ; /62/=0\$ [9 ; \$ E3 .44?:\$ LNI ap\$ c HEH:\$ &/C=4>14?47F\$ 90@\$ b .F614?47F:\$ bC=@C/\$ +018/=612F:\$ LNNaB\$ % ; 4C?@\$ ?1U/\$ 24\$ 2.90U\$ b=4B/664=6\$ O=2. C=\$ P 3 \84F:\$ ,92. /=10/\$ ,9=</02/=:\$ 90@\$ - 1??19 5 \$ - 44@\$B4=\$2/93.107\$ 5 /\$24\$9? ; 9F6\$@17\$@//</=\$90@\$%\$2.90U\$ w ./61\$ ` F61:\$ P 9@/?F00\$ ` /B0/=:\$ ^9=/@\$Q=9BB:\$O0240F\$Y1 5 :\$90@\$ ` 9009.\$ P 903/=9\$B4=\$2. /1=\$ ./?<10\$ /@12107\$2.16\$042/H\$