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81,9#5:,(;3!>),!&5,#1(-,&1!+5&65-' !,:!/#:,61#/!(!&+5&9,/#!())#!,1%&' ,16!:+#%,-\$!#/O%-(,&1!  
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%&' +\$#(#1&1#!,1(5&/O%(&5;!:(-(:,%:!!%&O5:#3!>),:15#DO,5#'#1(!,;!1!-//,(&1!(&!())#!15#DO,5#/#!  
:(-(:,%:!!-1/!5#:#-5%)!%&5#3!>)#/#/,,:#5(-,&1!A),%)!,:!()#!%O\$' ,1-(&1!&B!()#!:(O/#1(0:12)343!  
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2)343!+5&65-' 3!\*(O/#1(!:A,\$\$!#?#!-:;,61#/!-' #1(&5G' -=&5!+5&B#:#&5!())5&O6)!%&1:O\$(-,&1!A,())!  
)#!65-/O-(#!+5&65-' !/,5#%(&5!A)&!A,\$\$!5#9,#A!()#!:(O/#1(0:1+-:(!-%-/#' ,%1A&5@!-1/!  
+5&B#:#,&1-\$!#C+#5,#1%#:#-1/!/,:%O:;!())#!:(O/#1(0:15#:#-5%)!6&-\$:3!\*(O/#1(!:)&O\$/!+\$-1!(&!  
' #'#!(A,())#!5!' #1(&5:1&1!-15#60\$-5!?-,:!(!&!/,:%O:;!B0(O5#!+\$-1:;!-1/!A&5@!(&!#:(-?\$,:))!  
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%055#1(!5#B#5#1%#:3!>)#!%&' +\$#(#/!+5&/0%(!A,\$\$!%&1:,(!&B!-!' ,1,' 0' !&B!XY!+-6#:!#C%\$0/,16!  
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\$,(#5-(O5#10:,16!5#B#5##/!&O51-\$:1-1/!-5(%\$#:3!!\*#' ,1-\$!-5(%\$#:1&1!()#%1(&+,%!' -;!?!0:#/!B&5!  
?-%@65&O1/!,1B&5' -(,&13!!>)#%1:(O/#1(!' O:(!+5&/O%#!-!A#\$\$H5#-:&1#/#!+&:(,&1!+-+#5!  
5#6-5/16!()#%1)%&:#1!(&+,%!-1/!:'O?' ,(,!A,(),1!(B', +1&3!>)#%1%&1(#1(!:)&O\$/!,1%O/#!  
%&1(5-:(,16!9,#A:#!&B!+5&B#::&1-\$:!,1!()#B,#\$/!A,()!/::(,1%,&1:?!#(A##1!#' +,5,%-\$!B-%(!-1/  
#C+#5(!&+,1,&13!!M1!()#%1%&1%\$O:,&1!:#%(&1!()#%1:(O/#1(!' O:(!5-A!O+&1!()#%15#9,#A!(&1&BB#5!-!  
A#\$\$H:O+&5(#/!+&:(,&1!&1!()#%1:0#3!!>)#%1+-+#5!)&O\$/!?!XY!(&![\!+-6#:#!C%\$O/16!()#%1  
5#B#5#1%#:#-1/!()#%1-?:(5-%(3!>)#%1%&1(#1(!:)&O\$/!5#B\$#%(!()#%1DO-\$(,#:#!&B!-1+-+#5!A&5());!&B!  
-&O51-\$:'O?' ,:,&1!-1/!?!%&1:,(#1(!A,()!()#%160,/,\$,1#:#B&O1/!,1!()#%1O55#1(!#/,(&1!&B!()#%1  
3!! !%&+;!&B!()#%15O?5,%!()-(!()#%1  
:+#%,-\$!#/0%-(,&1!2)343!%&' ' ,((###!' #' ?#5:!A,\$\$!O:#!(&!#9-\$O-(!()#%1DO-\$(;!&B!()#%1+-+#5!  
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- 2&(#1(-\$!&+(&1:!,1%\$O/#!?!O(!-5#!1&(!\$, '(,#!/(!&!)#%1B&\$\$&A,163!
  - X3 NO\$\$!,1%\$O:,&1!&B!:(O/#1(:!A,()!/:-?,\$,(#:#!,1!6#1#5-\$!#/0%-(,&1!%\$-:5&&' :3!
    - [3 S#:(5,%(9#!%\$-:5&&' !&5!:#+-5-(#!:%)&&\$!+\$-%#' #1(!&B!9-5,&O:!:O?+&+O\$-(,&1:!  
&B!:(O/#1(:!A,()!/:-?,\$,(#:#!:0%!)!-:!(O/#1(:!A,()!#' &(&1-\$G?#)-9,&5-\$!  
/:&5/#5:1&5!,1(#\$\$#%(O-\$!, ' +-5' #1(3!  
j 3 4,:+5&+&5(&1-\$!5#+5#:#1(-,&1!&B!:(O/#1(:!B5&' !/9#5:#!%O\$(O5-\$!#)1,%!-1/G&5!  
\$,160:(,%!?!-%@65&O1/!:-' &16!:(O/#1(:!A,()!/:-?,\$,(;!\$-?#%:3!  
^3 8:#!&B!%\$-:5&&' !,1:(50%(&1?!-:#/!&1!/:+-5-(#!+),\$&:&+),%-\$!+#5:++%(9#:#&1!  
)#%1(#-%),16!-1/!\$#-51,16!+5&%#::3!  
Y3 J5&::H%-(#6&5,%-\$!+\$-%#' #1(!&B!:(O/#1(:!A,()!/:-?,\$,(#:#:3!

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>)#!' #' ?#5:#!&B!()#%1:+#%,-\$!#/0%-(,&1!2)343!%&' ' ,((###!A,\$\$!#9-\$O-(!#-%)!#C-' ,1-(,&1!

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7BB,%#!-1/!(&!())#!:(O/#1(:3!M1!())#!#9#1(!)#!:(O/#1(B-\$:!(&!/#\$,9#5!-!:- (:B-%(&5;!&5-\$!  
+5#: #1(-,&1!!)#G:)#!,:!+#5' ,((#!/!(&!+5#: #1(!-6-,1!&1#!(' #!B&\$\$&A,16!%&1:O\$(-,&1!A,())!  
,:G)#5!-/9,: &53!N-\$O5#!(&!-%),#9#!-!+-: ,16!:%&5#!&1!())#!&5-\$!+5#: #1(-,&1!A,\$\$!5#: O\$(!,1!  
B-\$O5#!(&! ' &9#!(&!%-1/,/-%; !-1/!/: ' ,: -\$!B5&' !())#!: +#%, -\$!#/O%-(,&1!2)343!+5&65-' 3!

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l /9-1%# ' #1(!(&!%-1/,/-%; !,1%\$O/#:!/,: :#5(-,&1!%) -5!-1/!%&' ' ,((##!: #\$\$%(&1!+5&: +#%(O:!  
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#/0%-(,&1!-1/!\_?!?#6,1!)#!+5&%#: !&B!/ #9#\$&+,16!A5,(,16!: @,\$\$: !: 0,(-? \$#!B&5!+&: ,(,&1: !-1/!  
(#105#!,1!),6) #5!#/0%-(,&13!>)#!%&05: #!: (5#: : #: !I 2I !A5,(,16!60,/ #\$,1#: !-1/! (: \$#!%&1/0%(,16!  
\$, (#5-(05#!: #-5%) #: !-1/! ?#6,11,16!/ #9#\$&+ ' #1(!&B!-!A5,(,16!+5&/0%(!()-(!,!: 0,(-? \$#!B&5!  
+0? \$,%-(,&13!>)#!%&05: #!,1(5&/0%#: !() #: !: @,\$\$: !1#%#: : -5; !B&5!- /9-1%# ' #1(!,1!)9

