```
0 H''% (%))T.0a!K$'%#0/<!':$G-'$<!0'<0"0+9%/$")0$++-%0<,0,-.(#J")&0!:>4.>#04!C.>8&()\omega_ba!'%:hH+$"0M\omega_A<!#00
H+$"\c0K<).063\omega_l<.060R63Q2T\omega_#.0[\omega_b\omega_l=\text{"Improved bounds of the five of the f
```

 $ba!'\%::''/\$'')0a!'\$\;;\;''/A0"!\#0a!+'\$'-'\$<!"')01<:\;;\;g0\;[<!F0\,\backslash<!F\%Z\$K\%:9<<)\%?"')'0?9:\$!F0a+)"!\#>c09"9\%:\%$

```
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- * $ % > A > " $ - " + %!" * $!A > " $ - " + %!, - ( % > G', ' ) *!
0
(35M93I!, K=83?5203!!
!
] $+V"0U+(":"!>0 * ?9%"1$!F0,<:0m!%+%),g0 `V%0W%)"!/V<)A0<,0H!'$hN<)<!$")0?<)$#":$'A0$!0M:$'$+V0a!#$">c00
U!F)$+V>0EV.8.p0HM8.
```

- $M\$)")0\ [":<<!>0"!#0"V%0E:<G)%; "'$/0<,0N-)'-:")0":"!+)"'$<!>c0N?N">0W.H.p0/<; 9)%'%#08%/%; G%:00 6363.0$
- $U \; ; \; "0W/ \setminus \%! ! "\%b `V\%0Z"G < -:0I\% \; ; \$!\$+ \; ; 0 `"1\%+g0 `:"/\$!F0a!'\%:+\%/'\$<!")0E <)\$'\$/+0\$!0Q2L3+0N"!"\#\$"!00 \; | W > 100 \; | W >$
- 0 I%; \$!\$+'0E%:\$<#\$/")+>c0U!F)\$+V>0EV.8.p0F:"#-"'%#0]<K%; G%:063Q2.0
-]"!#\$!\$0`V\$A"F":"o"!>0b`V%0H!\$;")+0\$!0m-:0?'<:\$%+g0X%"#\$!F0[-;"!hH!\$;")0[\$+'<:A>0\\$!+V\$9>0"!#00
- 0 a!V%:\$'"!/%0\$!0H+\$"!08\$"+9<:\$/0Z\$'%:"'-:%>c0U!F)\$+V>0EV.8.p0#%,%!#%#0H-F-+'063Q^0 .0
- 8"!\$%))%0B<!F%ba!<:F"!\$/0H+\$"!0]<:'V0H;%:\$/"!0Z\$K%+g0O\$:'-")08\$+;%;G%:;%!'+>0N<9\$%+0"!#00
- 0 B%))G%\$!F>c0U!F)\$+V>0EV.8.p0#%,%!#%#0Y-!%063Q^.0
- $?"\#",0HV\;;\;\%\#\%b\;I\;:<\;;\;0\;8\;"A"0'<0\;8</'\;:\%++p0NV"\;!\;F\%+0\$\;!\;0W-+)\$\;;\;0\;B<\;;\;\%\;!\;C+0U9\$+'\%\;;\;\$/0W\%\#\$/")0H-'V<:\$'A0\$\;!\;0W$
- $0 \quad V\%0W < \#\%: !0W +)$; 0 = ?IX > 0W.H. p0F: "# "'%#0] < K%; G%: 063Q5.0
- W")\$++"0EV-!F>0b