FYa Ya VYf]b['/ \$' - /xUk g/ [\$' - /. : GI / [\$' - /g`FYI ZcfX`A Yhn`UbX`h\Y`G\Uf_ H\Uh`G\cc_`Gi a a Yf

91 d`cfY`@Ycb`7cibhm/_\$'-/g`f]WX`Z]`a`\]ghcfm`Ug`kY WcaaYacfUhY`h\Y`]adUWh`cZ'eich/>Jkg/eich/`UbX`]hg WcbbYWh]cb`hc`:GI/_\$'-/g`FYIZcfX`AYhn"



HU``U\UggYYžI G5'! *Jkg`\Ug`YZhUb`]bXY`]V`Y`a Uf_`cb W]bYa Už'UbX`Ug`kY`WY`YVfUhY`]hg`) \$h\`Ubb]j YfgUfmžh\Y`YW\cYg`cZ]hg`gi a a Yf`gWUfYg`gh]```fYgcbUhY''FY`YUgYX`cb`*bY`&\$ž%-+) žh\Y Z]`a `bch`cb`m`VYWJa Y`U`XYZ]b]b[`a ca Ybh`]b`<c``mk ccX`Vi h`U`gc hfUbgZcfa YX`gi a a Yf`j UWJh]cbg`ZcfYj Yf"`8]fYWhYX`Vm`h\Y`h\Yb! i b_bck b`GhYj Yb`Gd]Y`VYf[ž` *Jk g``V`YbXYX`h\f]``Yfž`\cffcfž`UbX UWh]cb`hc`WfYUhY`U`a UghYfZi ``d]YWY`cZ'Wca a YfW]U``YbhYfhU]ba Ybh h\Uh`Zf][\hYbYX`VYUW\[cYfg`UbX`i g\YfYX`]b`h\Y`gi a a Yf V`cW_Vi ghYf`YfU"`K 7HJ`\][\`][\hg`\ck`h\Y`Z]`a `ZYUhi fYg`U`[fYUh k \]hY`g\Uf_ž`UZZYWh]cbUhY`m`bUa YX`6fi WYžk \]W\`]bgh]``YX`ZYUf`]b h\Y`\YUfhg`cZ`Ui X]YbWYg`UbX`dfca dhYX`U`bchUV`Y`Xfcd`]b`VYUW\
$$\label{eq:linear_understandard} \begin{split} & UhhYbXUbWY`UWfcgg`h\Y`I "G"ž`U`cb[g]XY`Ub`idh]W_`]b`g\Uf_g][\h]b[g`fYdcfhYX`hc`h\Y`dc`]WY" \end{split}$$

K \UhgʻdUfh]Wi`Uf`mʻ]bhYfYgh]b[ʻ]gʻh\Y``Y[UWmcZFYIZcfX`AYhnžU ZcfaYf`]bghfiWhcf`Uh': `cf]XU`GhUhYʻIb]jYfg]hm'k \c`kcf_YX`cb 3Ukg" `AYhn`kUgʻ]bghfiaYbhU``]b`WfUZh]b[`h\Y`ibXYfkUhYf gWYbYgž`]bWiX]b[`U`aYacfUV`Y`acaYbh'ZYUhif]b[`F]W&UfX 8fYmZiggʻYId`cf]b[`Uʻgib_Yb'Z]g\]b[`VcUh"`<]gʻgcbžʻsc\bUh\Ub AYhnžiZcbX`m`fYaYaVYfg`\]a`Ugʻh\Y`?]b[`cZ`h\Y`GYWcbX`Ib]h" `♣ &\$\$(žFYIZcfX`acjYX`hc`HU``U\UggYY`hc`hYUW&`Uh':GIžg\Uf]b[`\]g]bjU`iUV`Y`YIdYf]YbWYg`k]h\`ViXX]b[`Z]`aaU_Yfgʻibh]``\]g dUgg]b[`]b`\$JbiUfm`Uh`h\Y`U[Y`cZ`, , "`\$c\bUh\Ub`Yad\Ug]nYX`\]g ZUh\Yfg`]bjYbh]jY`Wc``UVcfUh]cb`k]h\`DUbUj]g]cbž`k\]W.`XYg][bYX gdYW]U`]nYX`ibXYfkUhYf`WJaYfU`Yei]daYbh'Zcf`h\Y`Z]`a"

H\Y`6`cW_VighYf`6]fh\`UbX`=hg`F]dd`Yg

K]h\`U`Vi X[YhcZ``-`a]``]cb`UbX`U`k cf`Xk]XY`[fcgg`cZ Uddfcl]a UhY`m``(+\$`a]``]cbž' >Jk g `Z bXUa YbhU``m`g\]ZhYX <c``mk ccX g``UbXgWUdY''`+h`k Ug`h\Y`Z]fgh`Z]`a `hc`[fcgg`cj Yf`` %\$\$ a]``]cb`Uh`h\Y`I "G'`VcI `cZZ]WY`z`U`ZYUh`h\Uh`hfUbgZcfa YX`\ck `Z]`a g k YfY`fY`YUgYX`UbX`a Uf_YhYX''; cbY`k YfY`h\Y``]a]hYX`gWfYYb]b[g/]b`]hg`[fci bXVfYU_]b[`ghfUhY[mž' >Jk g `cdYbYX`]b`(\$-`h\YUhYfg g]a i`hUbYci g`mž`gYhh]b[`U`bYk `ghUbXUfX''`7]bYd\]`]U`6YmcbX bchYg`h\Uh`dfcXi WYfg`F]WXUfX`8''`NUbi W_`UbX`8Uj]X`6fck b`\UX UWei]fYX`h\Y`f][\hg`hc`DYhYf`6YbWX`Ymg`bcj Y``Zcf``%+) ž\$\$\$`Yj Yb VYZcfY`]h`\]h`h\Y`g\Y`j Yg''`+b]h]U``g_Ydh]W]ga `UVci h`Gd]Y`VYf[g mci h\Zi``]bYI dYf]YbWY`hi fbYX`]bhc`WY`YVfUh]cb`Ug`h\Y`Z]`a`VYWUa Y U`hcd![fcgg]b[`gYbgUh]cbž'Yj Yb`[UfbYf]b[`Zci f`5WUXYa m`5k UfX bca]bUh]cbg`UbX`k]bb]b[`h\fYY"

CZWcifgYžh\Y'dfcXiWh]cb'kUg'bch'k]h\cih'WXU``Yb[Yg"::]`a]b['cb `cWUh]cb']b'h\Y'cWYUb'Vfci[\h'g][b]Z]WUbh'X]ZZ]W'`h]Ygž']bWiX]b[h\Y'aYWXUb]WU``ZU]`ifYg'cZ'h\Y'aiWX!Ubh]W]dUhYX'g\Uf_'acXY`g" MYhž'Gd]Y`VYf[g'XYW]g]cb'hc'[c'Zcf'U'acfY'bUhifU`]gh]Wghm`Y``Ybh h\Y'Z]`a']hg'Uih\Ybh]W]hmž'XfUk]b['j]YkYfg']bhc'h\Y'hYffcf'cZ'U gaU```VYUWX'hckb'd`U[iYX'Vm'U'dfYXUhcfm'g\Uf_"'H\Y'Z]`ag gWcfYž'WcadcgYX'Vm'xc\b'K]``]Uagž'VYWUaY'cbY'cZ'h\Y'acgh

6Yqi WXYb'G]Y'i bg'Ui Z.'a Y]b!k]Yb"bYh

8 Y hU]`g	
Cfh	HU``U\UggYYž'I G5
EiY``Yb	• k k k "k Whj "hj
	• W]bYd\]`]UVYmcbX"cf[
	• k k k "WW W/WU

k Uj YgʻcZʻci fʻWć``YWh]j Yʻa Ya cfm"

 $5g^{k}Y^{h}c^{h}h^{Y}VY^{h}cb^{r}$ (h g'WYUf'h\Uh'h\]g'Z[`a \Ug`g\UdYX`h\Y`gi a a Yf`V`cW_Vi ghYf`a cXY``UbX``YZh`U``Ugh]b[]a dfYgg]cb`cb`h\Y`\cffcf`UbX`h\f]``Yf`[YbfYg"`=hg`UV]`]hm`hc]bZiYbWY'dcdi`Uf'W'`hifYž'Wcid`YX'k]h\'h\Y'`Y[UWm'cZ']bbcjUhcfg `]_Y`FYIZcfX`AYhnžWcbh]biYg`hc`]bgd]fY`Z[`a a U_Yfg`UbX Ui X]YbWyg'U`]_Y"'H\YfY g'gca Yh\]b['hc'VY'gU]X'Zcf'h\Uh'_]bX'cZ WibYa UhiWUWX iYi Ya Ybh gca Yh\jb[h\UhiYWX cYg h\fci [\ h\Y

UWh]cb!dUWYX'UbX'`iWfUh]jY"

5'7i hi fU'D\Ybca Ybcb

5WUbXžUWca a i b]WUh]cbg'qhi X]Yg'dfcZYggcfžYI d`U]bg'h\Uh'h\Y Z]`a 'WXUb[YX'di V`]WdYfWYdh]cb'cZ'q\Uf qž'WfYUh]b['ZYUfq'h\Uh'`YX hc`]bWfYUgYX`g\Uf_`\ibh]b[`UbX`Wcad`]WUh]b[`WcbgYfjUh]cb YZZcfhg" = bhYfYgh]b[`mž 6YbW\ `Ym``UhYf YI dfYggYX fY[fYh UVci h h\Y a cj]Y g`]a dUWhž'fYU`]n]b[`]hg`fc`Y`]b`]bZUh]b['ZYUfg'XYqd]hY`h\Y fUf]hm'cZ'q\Uf_'UhhUW_q' ']b'&\$&&ž'h\YfY'k YfY'cb`m'(+ ibdfcjc_YX`q\Uf_`V]hYg`fYdcfhYX`[`cVU``mž`k]h\`^igh`Zcif ZUhU`]h]Yg"⁷67 Ya d\Ug]nYg'h\Uh'h\Y'Z]`a 'bch'cb`m'gdUk bYX'U a mf]UX cZgYei Y`g`UbX`]bgd]fYX ch\Yf`g\Uf_`UhhUW_Z]`a g`Vi h`U`gc g][bU`YX`hc`<c``mk ccX`h\Uh`gi a a Yf`fY`YUgYg`Wci`X`VY`Vch\

H\Y`]bZiYbWY`cZ` \$Ukg`YIhYbXg`VYmcbX`h\Y`VcI`cZZ]WY"`7\Uf`Yg

fYWc[b]nUV`Y`qcibXhfUW_g`]b`W]bYaUžZifh\Yf`WYaYbh]b[`h\Y Z[`a gYI hfUcfX]bUfmghUhi g"