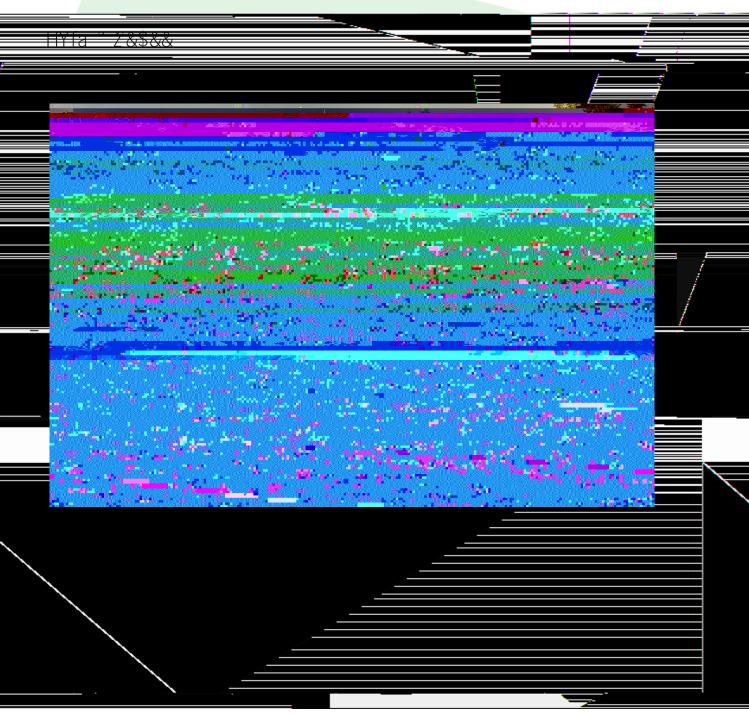
ENGG4103

♣hYfbUhJcbU``<i a Ub]hUf]Ub F YgdcbgY</p>



ENGG4103 // Term 3, 2022 // published at 08-09-2022 $\ensuremath{\textcircled{O}}$ UNSW Sydney, 2022

YFID

7 ci fgY⁻Cj Yfj]Yk

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<u>9b[]bYYf]b[`+bXi ghf]U``HfU]b]b[</u>`-`+bXi ghf]U``HfU]b]b[`ei Ygh]cbg`

<u>I BGK 'Gh Xm5VfcUX</u>'-gh XmUVfcUX'gh XYbhYbei]f]Yg'fZcf']bVci bX'gh XYbhgŁ'

<u>IBGK '91 W.Ub[Y</u>'-'ghi XYbhYI W.Ub[Y'Ybei]f]Yg'fZcf']bVci bX'ghi XYbhgŁ'

LBGK :: i h fY'Gh XYbhg'-'dchYbh]U``gh XYbhYbei]f]Yg'Y"["'UXa]gg]cbgž'ZYYgž'dfc[fUa gž'WfYX]hhfUbgZYf'

D\cbY[.]

fŽ*%*&Ł-',)*,)\$\$*-BiWYig'GhiXYbh<iV*

fŽ*%`&Ł'-',)`+**%`**-**`9b[]bYYf]b[`⊕Xi gHf]U``HfU]b]b[`

fŽ*%`&Ł'-',)`'%+-`<mark>-</mark>`IBGK `GhiXm5VfcUX`UbX`IBGK `9IWXUb[Y`fZcf`]bVcibX`ghiXYbhgŁ`

7cifgY^{*}8YHJ]^{*}g

l b]hg`cZ7fYX]h`*`

Gi a a UfmcZh\Y'7ci fgY

H\]g'Wci fgY'dfcj]XYg'i bXYfgHbX]b['UbX'dfYdUfUfjcb']b']bHYfbUfjcbU'`\i a Ub]fUf]Ub'fYgdcbgY'k]h\]b'hY WcbH'I hcZ\i a Ub]fUf]Ub'dfUWfjW'Zcf'9b[]bYYfg''H\Y'Wci fgY'Wcbg]gfg'cZU'gYf]Yg'cZ'YWi fYg'UbX k cf_g\cdg'\Y'X'UhI BGK '? Ybg]b['hcb'k]h\'Ub'Ya VYXXYX'cbY'k YY_'ZYX'YI YfW]gY']b'A ci bhA UWYXcb J]Wcf]U']b'dUffbYfg\]a'k]h\'F YXF '5i gffU']U''Gi WW'ggZ ``Wca d'Yfjcb'cZh\Y'UWfj]fjYg'fYgi 'fg']b'F YXF UWWYX]fUfjcb'cZh\Y'dUffjW]dUbf'F YXF 'dfYdUfYg'UbX'XYd'cmg'g_]``YX'dYcd'Y'hc'\Yf'd'Wca a i b]fjYg'UbX [cj Yfba YbhU[YbW]Yg'd'UbZ'dfYdUfYZ'fYVi]'X'UbX fYWcj Yf'VYZcfYZXi f]b['UbX'UZH'f'Wf]gYg'UbX'WcbZ]Wf'H\Y F YXF 'Wci fgY']g'Ya VYXXYX']b'U'gYf]Yg'cZ'YWi fYg'UbX'k cf_g\cdg'XY']j YfYX'UhI BGK '? Ybg]b['hcb'YZcfY UbX'UZH'f'h\Y'%k YY_'Wci fgY'''H\Y'h\YcfmUbX'dfUWf]W' Wcj YfYX']b'h\Y'YWi fYg'UbX'k cf_g\cdg'dcj]XY'U XYdh\cZ_bck'YX[Y'UbX'dfcV'Ya 'gc'j]b['cb'\i a Ub]fUf]UbX'Wca d'Ya Ybhh\Y'WcfY'df]bW]d'g'cZ \i a Ub]fUf]Ub]ga ž']g'\]ghcfmz'W ffYbhX'g]['b'ZG< \i a Ub]fUf]Ub]ga ž']g'\]ghcfmz'W ffYbhXYg]['b'ZG> F 9'Udd']WUfjcbz'UbX'g]a i 'Ufjcb'fc'Y'd'UmZcf'X]gUghYf fYWcj YfmUbX'WcbZ]WfgWbUf]cg'XY']j YfYX'VmF YXF '5i gffU']U''' K cf_g\cdg'k]```ZcW'g cb'['fci d'k cf_]bj c']]b['fUd]X'XYW]g]cb'a U__b['UbX'Wca a i b]WUfjcb'Ug'k Y'``Ug'Yb\UbW]b['gY'ZfYZVW]cb'HYWb]ei Yg'hc a UI]a]gY'`YUfb]b['ci hVca Yg'UbX'Xfy Ycd'h\YfYW'a i bfY'g'UbX'Xh'fci [\ci h\Y'Wci gg'''Gh'XYbng'k]``k cf_']b'HYUa g'hc a UI]a]gY'`YUfb]b['ci hVca Yg'UbX'Xfy Ycd'h\YfYW'a i bf

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5 'g]a i `Uhjcb'YI YfWjgY`UhI BGK 'Vi]`X]b['cb'h\Uhdfcj]XYX'Vmh\Y'9ggYbhjU`g'cZ<i a Ub]hUfjUb`DfUWjWY dfc[fUa 'k]``VY`UggYggYX'hc'XYhYfa]bY'h\Y`Yj Y``cZdUfhjWjdUhjcb'UbX'i bXYfgHUbX]b['cZh\Y'gVYbUfjc" 5ggYgga Ybhk]``VY`VUgYX'cb'WcbhfjVi hjcbž'Yb[U[Ya Ybhž'UbX'Uk UfYbYgg'cZh\Y'\i a Ub]hUfjUb'gmghYa "

H\]g`]g`bchU`Hi fb]hjb`Ugg][ba Ybh

5 **gg**)Yggga Y6b1VV**)F**}HY6]U

• Mcif'i bXYfgHUbX]b['cZWighYf'gmghYagž'Wcaaib]WUh]cb'ghfiWhifYgž'Yh\]Wgž'UbX'dUfh]W]dUhcfm

- <i a Ub]/Uf]Ub'Yb[]bYYf]b['WcbWYdhg
- I bXYfgHUbX]b[cZfcYUbXHYUa WcbHf]Vi h]cbg
- =XYbhJZWUhJcb`cZdYfgcbU``ghfYb[h\g`UbX`k YU_bYggYg
- DfcZygg]cbU``dfygYbHJhjcb`UbX`Yh\]WU``i bXYfgHJbX]b[

5ggYgga Ybh'. <i a Ub]HJf]Ub 9b[]bYYf]b[FYZYWh]cb >ci fbU`

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H\]g`fYZYWIjcb`čifbU``k]```fYei]fY`ghiXYbhg`hc`dfcj]XY`čifbU``Ybhf]Yg`Zcf`YUW\`kYY_`cZh\Y`WcifgYž'Ug`kY`` Ug`YUW\`XUmZcf`h\Y`9ggYbh]U`g`cZ<iaUb]hUf]Ub`DfUWIjWF`dfc[fUa"'GhiXYbhg`k]```bYYX`hc`XYacbghfUhY XYYd`h\]b_]b[`fY[UfX]b[`h\Y]f`YIdYf]YbWFg`UbX`\ck`h\YgY`YIdYf]YbWFg`Wcbhf]VihY`hc`h\Y]f`dfcgdYWijjY \iaUb]hUf]Ub`Yb[]bYYf`WUfYYfg"

5ggYgga YbhWf]hYf]U

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• fY`Yj UbWY`cZX]gW gg]cb"



5 HYbXUbW/FYei]fYaYbhg

Ghi XYbhgʻUfYʻghfcb[`mʻYbWci fU[YX'hcʻUhhYbX'U```WUggYgʻUbX'fYj]Yk ``YWhi fYʻfYWcfX]b[g"

5WUXYa]W=bZcfaUh]cb

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:]bU``YI Ua g`]b`H' `&\$&&`k]``VY`\Y`X`cb`]bY`VYłk YYb`&) h\`B`cj Ya VYf`!`, h\`8YWYa VYf`&\$&&`]bWi g]j Yž'UbX gi dd`Ya YbhUfm`YI Ua g`VYłk YYb`-h\`!`% h\`>Ubi Ufm&\$&' `]bWi g]j Y"`Nci `UfY`fYei]fYX`hc`VY`Uj U]`UV`Y`cb h\YgY`XUhYg"`D`YUgY`Xc`bchhc`a U_Y`UbmdYfgcbU``cf`hfUj Y``UffUb[Ya Ybhg`Xi f]b[`'h\]g`dYf]cX"'

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- ? YmiGHJZ/tc '7 cbHUWiZcf'5WUXYa]W5Xj]WY flc[']b k]h mci f'n=8 'UbX dUggk cfXŁ <u>\htdg.#}bfUbYHWj Yb["i bgk "YXi "Ui # YmlgHJZI/tc!WcbHUWiXi f]b[!mci flghi X]Yg!UHi bgk</u>
- ?Yml_BGK_8UhYg!'Y["'7Ybgi g'8UhYžYI Ua 'XUhYgž`UghXUmhc'Xfcd'U'Wci fgY'k]h\ci h UWUXYa]\#]bUbW[U```]UV]`]hmiYh\V'
- 7 J 9B 'Gh XYbh = bh UbYh flc [']b k]h 'mci f'n=8 'UbX dUggk cfXŁ '<u>hhdg.#bh UbYh Wj Yb["i bgk "YXi "Ui #gh XYbh]bh UbYh</u>'
- Ghi XYbh@]ZY Uh7 J 9Bž]bWi X]b['Ghi XYbh GcW]Yh]Yg. <u>http://thttp:/thttp://t</u>

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