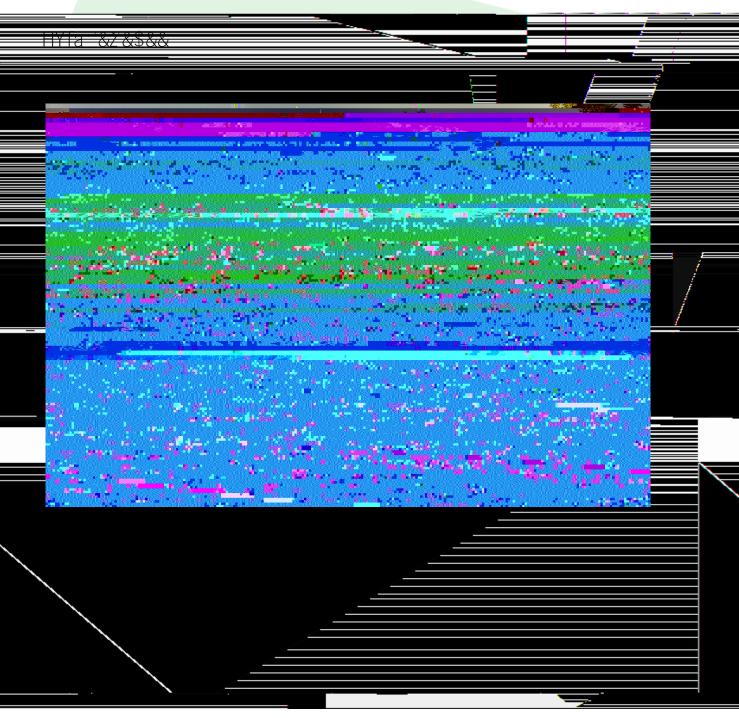
CVEN9822

GhYY``UbX`7cadcg]hY`GhfiWhifYg



CVEN9822 // Term 2, 2022 // published at 23-05-2022 \circledcirc UNSW Sydney, 2022

YFIb

5ggYgga Ybhg

5ggYgga Ybh

5ggYgga YbhhUg_	K Y][∖h	8iY`8UHY	7cifgY`@YUfb]b[CihWcaYgʻ5ggYggYX
%"`K_YY_`mUgg][ba Ybhg	% I	Bch5dd`]WUV`Y	%ž &ž 'ž (ž)
&"`:]bU``9I Ua	*\$I	Bch5dd`]WUV`Y	%ž &ž' Ž (Ž)
' "`A]X!hYfa `YIUa	&&I	Bch5dd`]WUV`Y	%ž &ž ' Ž (Ž)

5ggYgga Ybh% K YY_`mUgg][ba Ybhg

- '< ca Yk cf_'5gg][ba Ybhg'k]``VY'Uj U]'UV'Y'cb'a ccX'Y'cb'U'k YY_`mVUg]g"'Nci 'k]``bYYX'hc'gi Va]hfkYgY Ugg][ba Ybhg'cb`]bY'hc'fkY'a ccX'Y'`]b_"'H\Y'Ugg][ba Ybhg\ci `X'VY'\UbX!k f]fhYb'UbX'gWUbbYX"'5'[YbYfU' a Uf_]b['cZGUh]gZJWhcfm1'%\$\$ž'I bgUh]gZJWhcfm1') \$ž'Bi ```1'\$'k]``VY'[]j Yb'Zcf'YUWX'Ugg][ba YbhUbX'fkYgY k]``VY'dcghYX'cb'a ccX'Y'cb'U'k YY_`mVUg]g"'5'nYfc'gWcfY'k]``VY'[]j Yb']Zmci 'Xc'bchgi Va]hfkY Ugg][ba Ybh]b'Xi Y'XUhY"

9UWX 'Ugg][ba Ybhk cfh\ 'k c 'a Uf_g cZh\Y 'hchU`'a Uf_"

H\YgY'Ugg][baYbhg'k]```_YYd'mci'id!hc!XUhY'k]h\'h\Y'WcifgY'aUhYf]U'ž'UbX'k]``YbWcifU[Y'mci'hc'dfUWf]WY gcaY'dfcV'Yag'cb'U'kYY_`m'VUg]g"

5ggYgga Ybh& :]bU`9I Ua

H\Y'Wci fgY``YUfb]b[`ci fWca Yg`]bWi XY'U`g][b]Z]WUbh`Yj Y``cZhYW\b]WU```YUfb]b[ž'WU`W``Uhjcbgž'UbX Yb[]bYYf]b[`i bXYfgHUbX]b[`cZdfcV`Ya g"`H\YgY'ci fWca Yg`WUb'VY`YZYWhj Y`mUbX`]XYU``mUggYggYX`]b`Ub YI Ua `Ybj]fcba Ybhih\Uh'WUb'fYZYWhh\Y`ghi XYbhg'i bXYfgHUbX]b[`cZWcbWYdhgž'UbX'h\Y`ghi XYbhg'UV]`]h]Yg'hc a U_Y`XYW]g]cbg`UbX`gc`j Y`dfcV`Ya g`k]h\]b``]a]hYX'h]a Y"``H\Y`Z]bU``YI Ua `k]```VY`\Y`X`i bXYf`cdYb'Vcc_ WcbX]h]cbg"'Mci `bYYX`hc`gWcfY`Uh`YUghi(\$i `]b`h\Y`Z]bU``YI Ua `kc`VY`UV`Y`hc`dUgg`h\Y'Wci fgY"

5ggYgga Ybh' . A]X!hYfa 'YI Ua ''

H\Y`a]X!hYfa`YIUa`k]``VY`UggYggYX`cb`h\Y`VUg]g`cZhYW\b]WU``UWW fUWmcZWU`W``Uh]cbg`UbX`Yj]XYbWY`cZ [ccX`Yb[]bYYf]b[`↑X[aYbh'`H\Y`a]X!hYfa`YIUa`k]``VY`\Y`X`i bXYf`cdYb`Vcc_`WcbX]h]cbg"

5 HYbXUbWY FYei]fYa Ybhg

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

7 ci fgY GWX YXi `Y

J]Yk WUgg'ha YHJV`Y

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8 UhY	Hmd Y	7 cbhYbh
C!K YY'&' 'A Um!'&+ A Um		
K YY_`%`' \$`A Um!`' >i bY	Hcd]W	=bhfcXiWi]cb/GhYY`WcbbYWi]cbg/8Yg][b`cZVc`hYX ghYY`WcbbYWi]cbg
K YY_'&.'*`>i bY'!'%\$ >i bY	Hcd]W	8Yg][bˈcZ[fcidˈcZVc`hgʻ]bˈghYY``WcbbYWh]cbg/ 8Yg][bˈcZd]bˈWcbbYWh]cbg
K YY_'' . % `>i bY`!`%+ >i bY	Hcd]W	8Yg][b`cZkY`XYX`WcbbYW4]cbg
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K YY_`).`&+`>i bY`!`% >i `m	Hcd]W	GYfj]WYUV]`]hmicZZYIifU``Wcadcg]hY`ghfiWhifYg
K YY_`*.`(`>i `m!`, `>i `m	Hcd]W	A]X!HYfa [·] VfYU_
K_YY_`+.`%%`>i_`m!`%) >i_`m	Hcd]W	F][]X`d`Ugh]WUbU`mg]g`cZWcadcg]hY`VYUag
K_YY_`, .`%, `>i `m!`&& >i `m	Hcd]W	8Yg][bːZcf`ghfYb[h∖`cZWcadcg]hY`VYUag`f⊯
K YY_''&) '>i `m!'&- >i `m	Hcd]W	8Yg][bːZcfigHfYb[h∖icZWcadcg]hYiVYUagif⊨Ł
K YY_`%\$.`%5i [igh!`) 5i [igh	Hcd]W	8Yg][bˈcZWca dcg]hYˈWc`i a bg

FYgci fWfg

FYWca a YbXYX[°]FYgci fWYg

HYIHVC • HYIHVCC_g.

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

D`YUgY`fYZYf`hc`h\Y`A ccX`Y`dU[Y`cZh\Y`Wci fgY`Zcf`Z fh\Yf`[i]XUbWY`cb`UggYgga Ybhigi Va]gg]cb"

I BGK `\Ug'U'gHUbXUfX``UhY'gi Va]gg]cb'dYbU`hmcZ

)ı 'dYf'XUnž'Zcf'U``UggYgga Ybhg'k \YfY'U'dYbU'hmUdd`]Ygž'WUddYX'Uh'Z]j Y'XUng'f1&\$\$`\ci fgłz'UZhYf k \]W\'U'ghi XYbh'WUbbchigi Va]hUb'UggYgga Ybhž'UbX'bc'dYfa]hhYX'j Uf]Uh]cb"

5WUXYa]W<cbYghmUbX D`U[]Uf]ga

6Yk UfY**5b*Ugg][ba Ybhh\Uh]bWi XYg*d*U[]Uf]gYX*a UhYf]U**k]***fYWY]jY*U*\$i=***U]*žUbX*ghi XYbhg*k \c d*U[]Uf]gY*a UmZu]**h\Y*Wci fgY***Ghi XYbhg*k \c*d*U[]Uf]gY*UfY*U*gc**]UV*Y*hc*X]gW]d*]bUfmUWf]cbž*]bWi X]b[YI Wi g]cb*Zfca *Ybfc*a Ybh

D`U[]Uf]ga `]g`h\Y`i gY`cZUbch\Yf`dYfgcb'g`k cf_`cf`]XYUg`Ug`]Zh\Ymk YfY`mci f`ck b"`K \Yb`]h]g`bYWyggUfmcf XYg]fUV`Y`hc`i gY`ch\Yf`dYcd`Y'g`a UhYf]U``mci `g\ci `X`UXYei UhY`mUW_bck `YX[Y`k \cgY`k cfXg`cf`]XYUg`h\Ym

5WUXYa]W=bZcfaUh]cb

:]bU``9I Ua]bUh]cbg.

:]bU`YI Ua g`]b`H&`&\$&&`k]``VY`\Y`X`cb`]bY`VYfk YYb`%&f\`!`&) f\`5i [i gh&\$&&`]bWi g]j Yž'UbX gi dd`Ya YbfUfm`YI Ua g`VYfk YYb`) f\`!`-f\`GYdfYa VYf`&\$&&`]bWi g]j Y"`Nci `UfY`fYei]fYX`fc`VY`Uj U]`UV`Y`cb f\YgY`XUfYg"`D`YUgY`Xc`bchfc`a U_Y`UbmidYfgcbU``cf`ffUj Y``UffUb[Ya Ybfg`Xi f]b[`f\]g`dYf]cX"`

57589A = 758J = 79

 ? YmiGHJZzhc '7 cbHJWhiZcf '5 WJXYa]W5 Xj]WY 'flc[']b 'k]h\ 'mci f 'n=8 'UbX dUggk cfXŁ '