

: U\fYf'c\bY': Ø\fYfgW\Y]b'fUgh'Xi fW\FYW_`]b[\Ui gYb''Dc`]nY]'gW\U`hYh'Y]b°

Dc`]nY]'ghcddh'5i hcZU\fYf'c\bY': Ø\fYfgWkY]bž'XYf']b FYW_`]b[\Ui gYb'a]h'ØVYf\Ò\hYf'; YgWk]bX][_Y]h'i bhYfkY[g k Uf'i bX'5b\U`hYnY]WkYb'a]qqUWkhYhY"



FYW_`]b[\UigYbž8YihgW\`UbX'!'9]b'f]g_UbhYg'A UbÒj Yf'ZØ\fhY
Ua '8cbbYfghU[UVYbX'ni 'Y]bYf'XfUa Uh]gW\Yb'J YfZc`[ib[']b
FYW_`]b[\UigYb°'; Y[Yb'%, 'I\f'Z]Y`Y]b'A YfWYXYgZU\fYf'Y]bYf
Dc`]nY]ghfY]ZY'Ui Zž'U`g'Yf']``Y[U`'jcb'XYf'<YfbYf'GhfU»Y']b'X]Y
GU`nVif[Yf'GhfU»Y'UVVc["'5bghUhh'g]W\'_cbhfc``]YfYb'ni '`UggYbž
hfUh'XYf'''!'À\f][Y'FYW_`]b[\UigYbYf'UiZg'; Ug'ibX'][bcf]YfhY'X]Y
5b\U`hYnY]W\Yb'XYf'Dc`]nY]"'A]h'ØVYf\Ò\hYf'; YgW\k]bX][_Y]h'fUghY
Yf'hY]`g'ØVYf'XYb'; Y\kY['ibX'VfUW\hY'XUa]h'UbXYfY
J Yf_Y\fghY]`bY\aYf']b'@YVYbg[YZU\f°

9]bY'Ui Za Yf_gUa Y'5i hcZU\fYf]b']b'Y]bYa 'V`Ui Yb'?`Y]bk U[Yb_cbbhY'bi f'Xi fW\'Y]b'gW\bY``Yg'5i gk Y]W\a UbÒj Yf'Y]bYb : fcbhU`ni gUa a Ybghc» 'j Yfa Y]XYb°'8]Y'Dc`]nY]'`]Y» 'b]W\h'`cW_Yf $\label{thm:cobhy:XYb:FUgYf:gW:Y} ibX:_cbbhY:XYb:FUgYf:gW:Y} \label{thm:cbbhY:XYb:FUgYf:gW:Y} ibX:_cbbhY:XYb:FUgYf:gW:Y} ibX:_cbbhY:XYg:XYf:gW:Y} ibYx:YfUi:gZ:XUgg:XYf::U\fYf:b]Yx:U`g:]x:U`g:]x:YfUi:gZ:XUgg:XYf::U\fYf:b]Yx:U'g:]x:Yf:[UV:UbZ:XUg:U\fnYi:['j:cb:Y]bYx:6Y_UbbhYb:[Y`]Y\Yb:ni:'\UVYb":8Yf:AYfW:XYg:k:ifXY:g]WXYf[YghY``hZ:k:A\fYbX:X]Y:9fa:]hh`i:b[Yb:[Y[Yb:XYb:f@W_g]WX:hg`cgYb::U\fYf:k:Y]hYf[Y\Yb":$

8YhU]`g	
J c f ZU``	JYf_Y\fgi bZU``
I fgUWX Y	j Yf\U`hYbgUi ZZÀ``][ž'_Y]bY : U\fYf`Ui Vb]g
Cfh	FYW_`]b[\UigYbž'8YihgW\`UbX

6Ygi WXYb G]Y i bg Ui Z b!U["XY