Hcd M * - CD! G BYhas - AUh 3 ž s 3

: fca . éfi W/7'' é/fbXhfWfbXhf4 U\\'i]i W/Xi łžK Yb! 7\]b[K]bb]Y@flk`]4a U\\'dgi 'YXi łž UbX ᢣ'F''@a Uihfiga Uih4a U\\'k]g/W/Xi Ł Ci VYVMI xcg/d\ @\bYf CV]hi Uim

xcgVd\@AbYfkUgVcfb]bBYkNdf_7]hmcbCVMtVYf&-ž%%&hc@ci]gUbXFUVV fffcgYbViałžUbXX[YX]b<UYfZcfXžD5cb5i[igh)ž&\$%"@AbYff¥ggV[¥bh]Z]Wkcf_ kUgdf]aUi]mVxbbVVfbYXk]AUhcacfd\]WZcfagZcfX[gJAxbh]bicig[fcidgUbXfYU4/X biaVVfb\YcfrH

=b%*(ž@\\bYfdiV]g\YXcbYcZkYZ[fghhfYU]gYg]b9b[`]g\cbU hcacfd\]WZcfag0Q k\]W]bWiXYXVck\kY\]ghcf]WVV[]bb]b[gcZkYgiV/klUgkY`Ug`UYfXyYcd! aYbhgžXiYYgdYV[U`mhc9'<Y\]WZ<"D/hYfggcbž<"FUKYaUWYfžUbX7"@'G]Y[Y'' H\]g Vcc_\UgVYkkaYUVK2g]V&UbX\UggYfjYXUgUb]bhfcXiVktfm/cc_hcU hcacfd\]WZcfag ZcfaUbm[YbYfU]cbg'

@A bYffygYa jbU 'cjohdUbYf k jA C'j Yf 5h_b GGJoHcXi WX Ua YA cX Ic gi XmA Y UjA! a YfjVcZa cXi `U' Zcfa gk\jW I bXLa YbHU`mVUb[YX K Y ZYX'' HA Y jXYUk Ug Ic W?`VM Ic[YA Yf Zcfa gZcf Wb[fi YbW gi V[fci dg $\Gamma_0(m)$ Zcf U` $m \ge 1$ " : cf Zcfa g cZ $\Gamma_0(m)$ ž h Ym X[gj]o[i]g YX Îc`XZcfa gil k\jW U]gY bUh fU`mZca Wgd Zcfa g cZ $\Gamma_0(n)$ k]A n X[j]X[o[mž UbX ÎbYkZcfa gil k\jW UY Zcfa g k\jW [Ybi]bYm]j Y]b $\Gamma_0(m)$ " HA Ymd]cbYYfYX h Y Îh YcfmcZ bYkZcfa gil k\jW UY Zcfa g k\jW [Ybi]bYm]j Y]b $\Gamma_0(m)$ " HA Ymd]cbYYfYX h Y Îh YcfmcZ bYkZcfa gil k\jW fYXi Wg H Y gi XmcZ H Y U]A a YljWcZ a cXi `U' Zcfa g Zcf $\Gamma_0(m)$ Ic H UhcZ bYkZcfa gi UbX H Ymgi XJYX H Y U]A a YljWcZ bYkZcfa g]b XYHJ" H Y Sh_bì @A bYf H YcfmcZbYkZcfa g kUgYI HbXYX VmH'A]mb_Y Q Occ Zcfa g Zcf Wb[fi YbW gi V[fci dg $\Gamma_1(n)$ UbX Wa d'YHX VmH Y gWbbX U H cf QOZcf Zcfa g Zcf U` Wb[fi YbW gi V[fci dg cZ $SL_2(\mathbb{Z})$ " H Y bYkZcfa H YcfmbUh fU`mYX Ic U Ica cfd\]WZcfa gUbX U ! Ica cfd\]MYdfYgYbHJi]cbg Zcf GL_2]b H Y UY]MgHjb[ž UbX]hH YfYZcfY \Ug \UK UZJ!! fYUMJb[]a dUMf]b H Y H YcfmcZ U Ica cfd\]WZcfa g' Hc XUHź fYgYUWYfg \U Y VYb YI HbXJb[H YJf] JXYUg Ic gh XmbYkZcfa gZcf cfh c[cbU [fci dg' H Y Sh_bì @A bYf cd! YfUcfg]bHcXi WX]b H Yjf dUUYf ØGUg c d'UrUZ bXLa YbHU fc`Y]b H Y gh XmcZY`]dHW UbX Q]a i fUa cXi `U' Zcfa g'

@\bYfYUfbYX\]g & GUhBYk Ndf_I b]jYfgjhmf%', ŁUbX\]g A 5 f%'-ŁUbX D.8 f% (% UhAYI b]jYfgjhmcZD/bbgn"jUb]Ui bXYf kYg i dYfj]gjcb cZ < Ubg FUKYa UWYfžk\ca \Y kUg`UhYf hc XYgM[]VY Ug\]g HUWYf UbX Zf]YbX''@\bYf kUg hY*h\cZFUKYa UWYfñjg&% XcMicfU ghi XYbhgž UbX k\Y k]fX U h\cf cZ k]g cV]hi Um]g k\Y gWMbX cZ@\bYfñjjZci f XcMicfU ghi XYbhg'

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6/bYX[MaUbX 9`]chhAcbhfc``žXYj Y cdYX U\]\`mUKj UbWX a UA Ya UjW Ik YefmeZ\ck U
V4gAKY cZUddfel]a Uh'mizi f Ik ci gLbX gHU Ygkci `X fYgdcbX he Ha Y! XYdYbXYbhX[g]
h fVLbWg]b]hgdYfZefa UbW'i k\YA Yf UV4gAKYkci `X a U[b]ZhhA YX[ghi fULbWž`YUK]b[
i `Ha Uh'mhe UX[gfi dHj Y cf XYghfi Vaj Y gj f[Y]b dfYggj fYžcf k\Yh Yf Ik Y V4gAKYkci `X
XUa d ci hIk YgY Zi Vai UjCbg Ug]hk YbhIk fei [\ gi VWggj Y gHU Yg' @</p>
KYfY Ik Y df]bV/dU a UA Ya UjVjEbgk\c VabgYei Ybhmgc'j YX grgHa g cZHa Y UbX gdUW
XYdYbXYbhdUHJU XJZ2/fYbHJU Yei Ujcbgžk\]W `YX he Ub YZZMJIbha YA cX Zef dfcXi Vjb[
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6/7cfY a YYHjb[xcgYd\ Ñy 7LA Yfž @A bYfñy a ch Yf FUAY? \UK VYYb a Uff]YX hc GLa i Y FuddefhfUWfyjUHXZica kycfjjbUFUddUdefhiz[jjb[V]fk hcZjYW]XfybWZefyyf $i gNUbX X]YX'' G, Y h, Yb a Uff]YX <math>\approx$ YN gZLh, Yf \ddot{z} k \ c \ UK \ UK Z \ddot{j} Y W] XfYb Vm gdfYj]ci g a Uff[U[Y' H\Y ZLa] mh\Yb a cj YX hc AUggUWi gYHg' H\Y]f Z[fghW]X kUg Vcfb Uh\ca Y UbX gccb X[VX" K]h \Yf gl\AbbX dfY[bUb\Mab X fg]ghYf Zcf\WX \Yf hc fYh fb hc BYk Mtf_ 7]mhc \U Y \Yf VU/mLhU \cgd[HJ/ h]g VU/mkUg xY @\bYf" : cf \Yf h]fX UbX `Ugh $dfY[bUbMbbxeYfiga ch Yf U[U]b WcgY hc \Uj Yh Y V]fh Uh ca YžUbX h Y VU/mX]YX'' K \Yb$ xeY k Ug hλ fW miUig c Xž \]gdUiYbhg Xj c fWXž UbX \ Y UbX \]gZLa] ma cj YX VUQ/ hc BYk Nef_" 5gUHYbu[Yf]b BYk Nef_ 7]mž\ Y Vi] hUfuK]cždUfi]MdUHX cb h Y XYVUHY HUa]b $I \ gWcc \ UC \ Vcd \ CC \ g \ CC \ CC \ CC \ G \ CC \ CC \ G \ CC \ G \ CC \ G \ CC \ G \ CC \ CC \ G \ CC \ CC \ G \ CC \ G \ CC \ CC \ G \ CC \ CC \ CC \ G \ CC \ G \ CC \ G \ CC \ G \ CC \ C$]b Waifh]b d`UW cZ \]g \ UZ Vich Yi'' @ \ bYi [fUki UYX Zica \][\ gWcc`]b % & Uhh Y U[Y cZ%] "52H/f Ug\cfhgHuhuhub YI dYf]a Ybhu Wc Y[Y]b K]glubbgbž\Y fYhi fbYX \ca Y hcku_Ykbi fgYg]baUh.YaUjVbUbXgV()#bWUhBYk Kbf_Ib] Yfg]hmfBMI#K\]YXc]b[gcž \Y cVhujbYX U dcgjhjcb _YYdjb[fYVb/fXg UhAUMhýy k \jW k Ug hc `UghU/ci hg/j Yb m/Ufg' 8i Yhch Y8YdfYggjcbž \Y`cgh]g/cVUhAUMMyVi hYj Ybh U`mUbXYX Udcgjhjcb cb UKD5 dfc/Whitkf]jjb[\]gZjfqhdi V]q\YX dUdYfž ÎDfcXi Wijcbž 9a d`cna Ybht UbX DfcXi Wij]mjb)+ GYYMMYX =bXighf]Ygli H\]gdfc/YMMhcc_\]ahc D\]UKYd\]U]b%;'*žk\YfY\Yhcc_ WoifgYgUhAYIbjjYfgjhmcZDYbbgmjUbjUAUhWoiXVYhfUbgZYffYXhcBNIžZicak\jW \YYUfbYXU6G]b%',"@\bYfaYh\]gZihifYk]2YžAUfm6YiWž]bh\YIb] Yfg]mcZ D/bbgmjUbjU@VfUfmik\YfYg\Ykcf_YXUgUKD5dfccZfYUKYf"H\YmaUffjYXcb5i[igh %+ž%', UbX \UK*) mNUfg hc[Yh\Yf" AUfmÑy YX[hcf]U kcf_ Wobh]bi YX]b \Yd[b[xY dfYdUfY \]gHxc Vcc_d' H\Ym\UX cbY XU [\HYfž I\\Y]bX žbYY xbYH'

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GAD5"C"@'5h_b UbX >'@A byfž Hecke operators on $\Gamma_0(m)$ žAUA"5bb"%) f% +\$12% (Ì % \$"

QQA" 6YbYX[Mit Interview with Center for Oral Historyž xbi Ufm&(ž% - %ž7\Ya]W <Yf!]K[Y:ci bXU]cbžD]UKYd\]U'

OOY @A byfž Discontinuous Groups and Automorphic Functionsž AUA Ya UJW G fj Yngž Bc''J ==ž 5a YfJMb AUA Ya UJW GcVJYhnž Dfcj JXYbWž F=ž%*("

QCK'17"K"@ Newforms and functional equations ZAUN "5bb" & K +) HZ &,) I' % "

QCH'A]rb_YžOn automorphic forms on GL_2 and Hecke operators **ž 5bb''AUA''- (f% +%ž** %+(**ì% - ''**