

```

// Pad.java: generate Postscript code to print a one-time pad
import java.text.DecimalFormat;

public class Pad {
    static DecimalFormat twoDigits = new DecimalFormat("00");
    // main function    twoDigits.format()
    static char[] let = {'A','B','C','D','E','F','G','H','I','J','K','L','M',
                        'N','O','P','Q','R','S','T','U','V','W','X','Y','Z'};
    static int xCoord = 0, yCoord = 0;
    static int lineCount = 0;

    public static void main (String[] args) {
        System.out.println("%!PS-Adobe-2.0");
        System.out.println("/Courier-Bold findfont 14 scalefont setfont");
        System.out.println("/onepad {");
        for (int i = 0; i < 20; i++) {
            System.out.print("0 " + yCoord + " moveto");
            System.out.print("(" + twoDigits.format(lineCount) + " ");
            for (int j = 0; j < 50; j++) {
                System.out.print(oneLet());
                if (j%5 == 4) System.out.print(" ");
                if (j%10 == 9) System.out.print(" ");
            }
            System.out.println(") show");
            yCoord -= 15;
            if (lineCount == 9) System.out.println();
            if (lineCount%5 == 4) yCoord -= 15;
            lineCount++;
        }
        System.out.println("}def");
        System.out.println("gsave 30 750 translate onepad grestore");
        System.out.println("gsave 30 360 translate onepad grestore");
        System.out.println("10 390 moveto");
        System.out.print ("(=====t=e=a=r===h=e=r=e=====)");
        System.out.println("=====t=e=a=r===h=e=r=e=====) show");
        System.out.println("showpage");
    } // end of main

    private static char oneLet() {
        return let[(int)(Math.random()*26)];
    }
}

```

```

%!PS-Adobe-2.0
/Courier-Bold findfont 14 scalefont setfont
/onepad {
0 0    moveto(00 IZGXV DKURO    EUVRU WNDWZ    OJEFE ZLNHJ    GAOJY WGHNP    TOLFS VTVGM    ) show
0 -15  moveto(01 HZMBU VMLHJ    KIGBW YWTGO    WDIIJ FRPHO    XHBDP FHCTZ    TOLPZ DEKOS    ) show
0 -30  moveto(02 ZLQQG LTOXH    SNNIO GVGXG    EGYHA ININK    OJDXB QWFWG    KTQDA JRJBV    ) show
0 -45  moveto(03 QJQHT TNJQH    ZQHTQ WNZBZ    RFFPP ZKKDQ    JFRHL YNBLO    VHEHC RYKAA    ) show
0 -60  moveto(04 PSSBG UXBBH    IHCPQ KJHPX    GJDZW SSEGT    PKUMT GDJAN    PJARK HMAXU    ) show
0 -90  moveto(05 PDNWP AMKOO    BXJUK QEPHK    RQTSZ SYMMQ    QAKBY UTGNZ    YCECN ZPADP    ) show
0 -105 moveto(06 MKXSM FXSWR    JZFWH EFYLT    QVUUQ CRGRI    IPJPQ VPIQC    AIWND GOIMT    ) show
0 -120 moveto(07 VNIPG IDYQW    FYXQL XBFPR    STJOL CENRV    PITGQ FAQSX    CCMXN CGVAE    ) show
0 -135 moveto(08 WGVJV IIARB    LVIKE IJZME    IOUCA CUBQU    QKQOB FBPQF    PGOKX XDBFA    ) show
0 -150 moveto(09 LVHNW JNRXK    QMHGN FYXZB    YQFUY GTJPE    NYRCH UMHZX    OTCXS KIVXS    ) show

0 -180 moveto(10 WXZDP HUYPC    ZVXTM EGYSB    CEBWD BNUIW    BAJXS DXPWR    QZMGL BMSAI    ) show
0 -195 moveto(11 QPUAR JIKTS    TDBWJ SJFIX    XRGEA KZJSK    NGRBG UJMKJ    ZHXBI ADKDG    ) show
0 -210 moveto(12 AOOMQ MHFQX    WJBZE HVGQH    GAHZE VPAXI    WHHVF AVLWM    QLBAY PJTRS    ) show
0 -225 moveto(13 QYABU TSCLU    PHWME BKBCJ    BZLLL BJB IQ    FBSKL EHWTN    MDQPK IDXIE    ) show
0 -240 moveto(14 LSLMY NMYLU    OBYLT FQOEP    ACHSJ ZBZDA    LNGTC ODCEE    OKJTU UJRXN    ) show
0 -270 moveto(15 SSMCC JLCJF    VYSEO KRFVI    OKANV YIYXH    ZQGKE DKJNW    ZFBDT PDLGV    ) show
0 -285 moveto(16 WGSFU BZGJV    VFIAD LKGVD    ENVTR JHJCW    VQFDU RSOAI    XYLGW RLOHS    ) show
0 -300 moveto(17 NGHKP TKIBG    QLQDT IGQVB    ACJQC WXJGF    JOLPK SKBGJ    UKDSG VYZLV    ) show
0 -315 moveto(18 UZSWR IESGR    AHPWE TLPZF    YTJTM BEJYH    QQBFT IFFAB    QDIKJ WTSSJ    ) show
0 -330 moveto(19 QTPAL YKCSQ    XYUQP RVUMH    AVHWS FGOBU    DEYTW KFDKI    ZMOSG XPZPY    ) show
}def
gsave 30 750 translate onepad grestore
gsave 30 360 translate onepad grestore
10 390 moveto
(=====t=e=a=r===h=e=r=e=====t=e=a=r===h=e=r=e=====) show
showpage

```