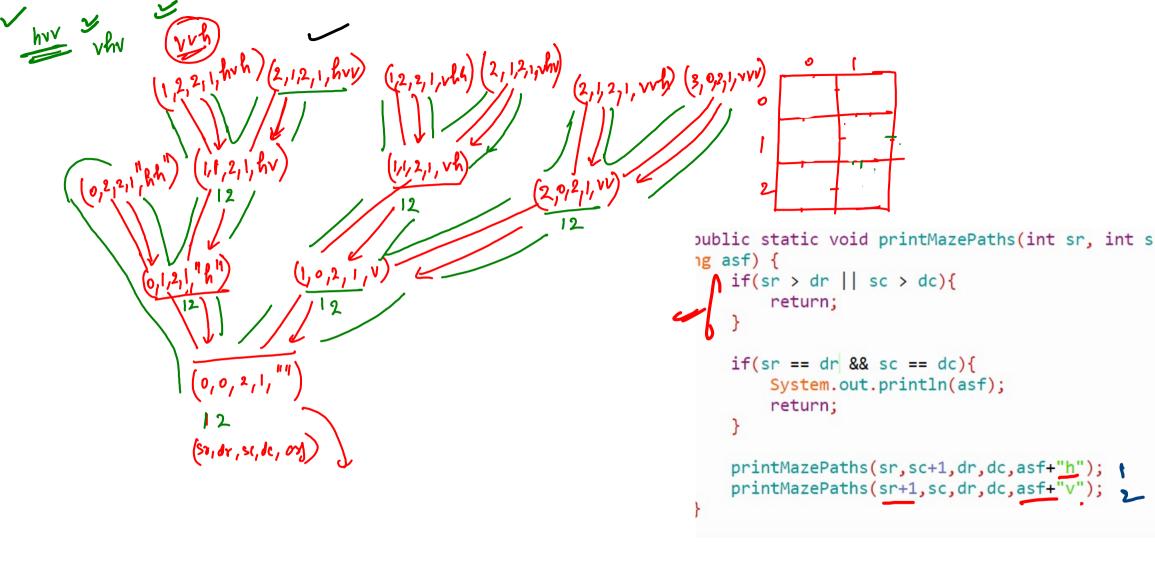
$$3 = MC$$

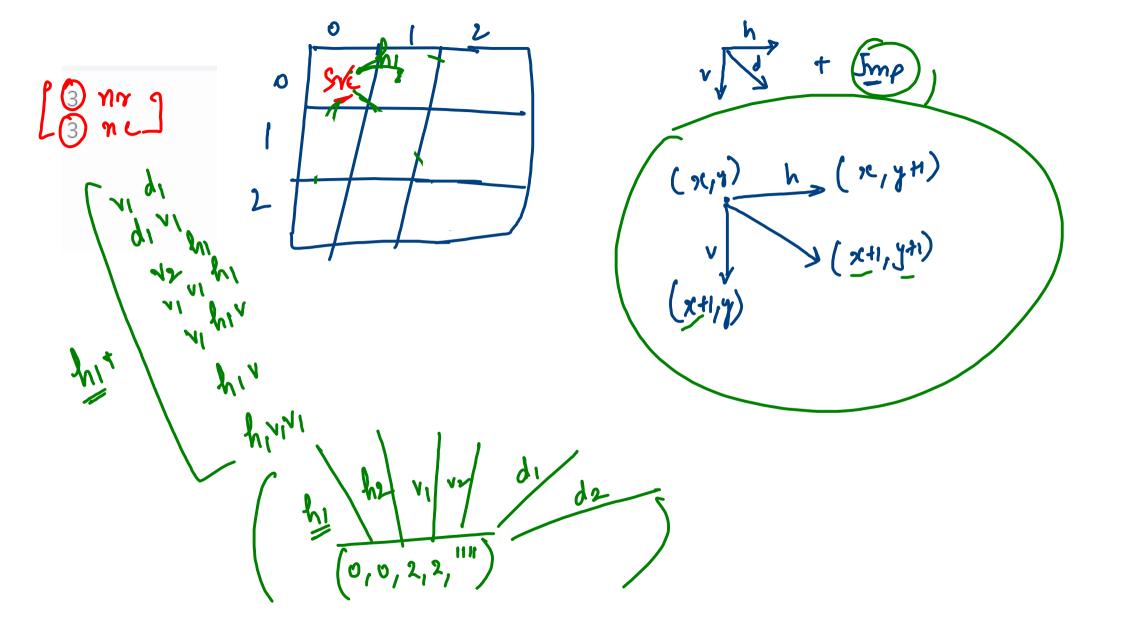
$$3 = MC$$

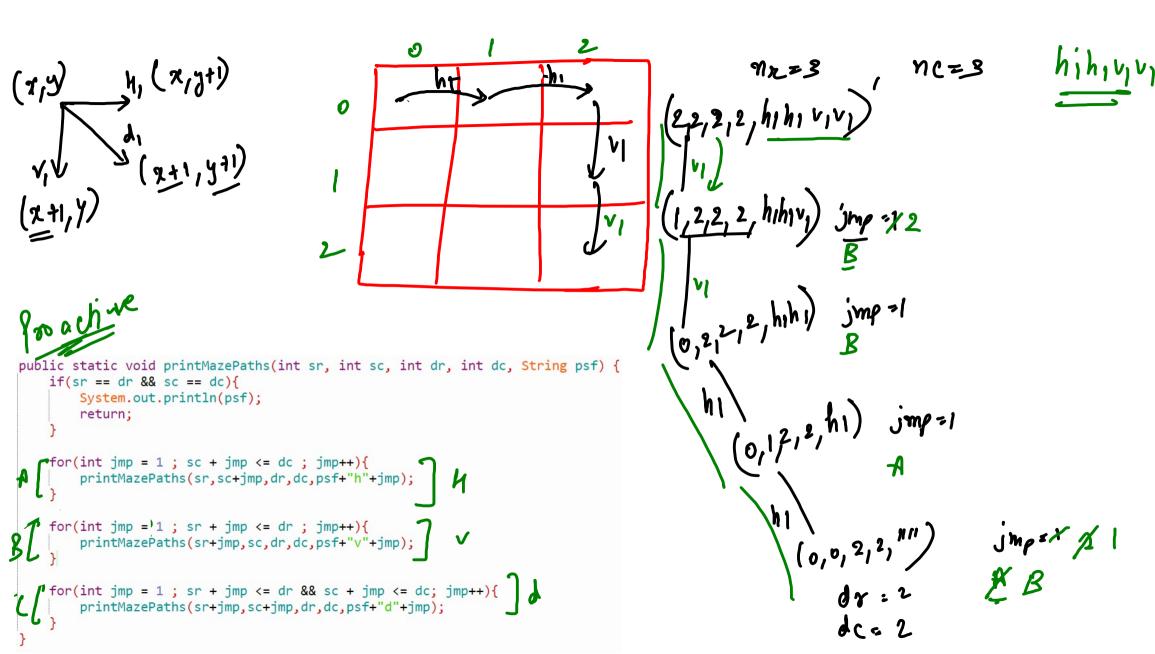
$$3 = MC$$

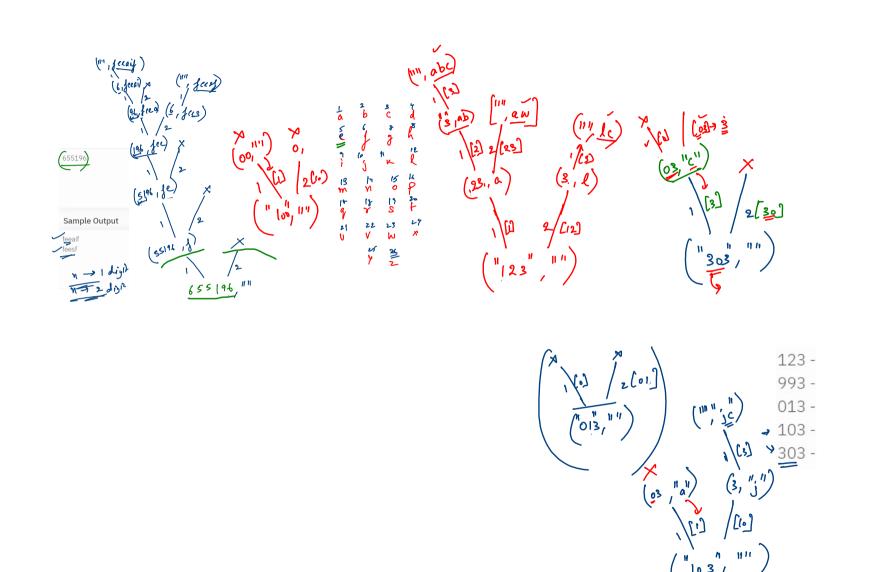
$$(x_1, y) H (x_1, y)$$

```
public static void main(String[] args) throws Exception {
    Scanner scn = new Scanner(System.in);
    int nr = scn.nextInt(); //3
    int nc = scn.nextInt(); // 9
    printMazePaths(0,0,nr-1,nc-1,"");
// sr - source row
// sc - source column
// dr - destination row
// dc - destination column
public static void printMazePaths(int sr, int sc, int dr, int dc, String asf) {
    if(sr > dr \mid\mid sc > dc){
        return;
    if(sr == dr \&\& sc == dc){}
        System.out.println(asf);
        return;
    printMazePaths(sr,sc+1,dr,dc,asf+"h"); - [
    printMazePaths(sr+1,sc,dr,dc,asf+"v"); _ 9
```

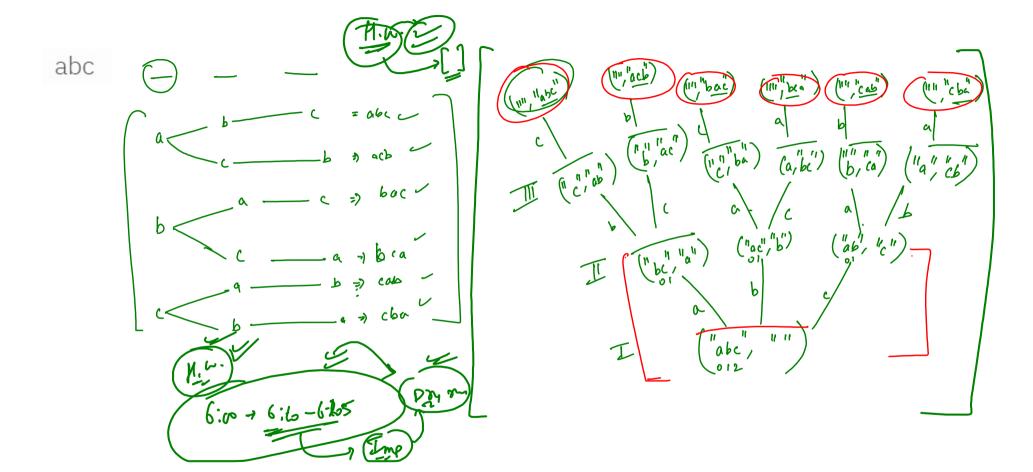








```
public static void printEncodings(String str,String enc)
   if(str.length() == 0){
       System.out.println(enc);
       return;
   if(str.charAt(0) == '0'){
       return;
  o// single digit num
   char firstChar = str.charAt(0); /
  int num1 = Integer.parseInt(firstChar+"");
   printEncodings(str.substring(1),enc +(char)('a'+num1-1))
   if(str.length() > 1){
       // double digit num
       char secondChar = str.charAt(1);
       int num2 = Integer.parseInt(""+firstChar+secondChar); $
       if(num2 >= 10 \&\& num2 <= 26){
           printEncodings(str.substring(2),enc +(char)('a'+num2-1)); 
                 655196
```



abc acb bac bca cab cba

Dec Hx Oct Char	Dec Hx	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Нх	Oct	Html Chr
0 0 000 NUL (null)	32 20	040	6#32;	Space	64	40	100	a#64;	0	96	60	140	£#96;
1 1 001 SOH (start of heading)			!			41	101	«#65;	A	97	61	141	6#97, a
2 2 002 STX (start of text)	34 22	042	"	**	66	42	102	B	В	98	62	142	6#98; 🖖
3 3 003 ETX (end of text)	35 23	043	#	#	67	43	103	C	C	99	63	143	€#99; C
4 4 004 EOT (end of transmission)	36 24	044	«#36;	ş	68	44	104	%#68;	D	100	64	144	d d
5 5 005 ENQ (enquiry)	37 25	045	%#37 ;	*				%#69 ;					€#101; e
6 6 006 ACK (acknowledge)	38 26	046	&	6:				6#70;		102	66	146	€#102;
7 7 007 BEL (bell)			'		-			a#71;		100	700.0		g g
8 8 010 BS (backspace)			&# 4 0;					6#72;				700	h h
9 9 011 TAB (horizontal tab))					6#73;					i i
10 A 012 LF (NL line feed, new line)			6#42;			100		6#74;					j j
11 B 013 VT (vertical tab)			+			1000		6#75;					k k
12 C 014 FF (NP form feed, new page)			6#44;					a#76;					6#108; 1
13 D 015 CR (carriage return)		40000	6# 4 5;	-				G#77;					m <u>™</u>
14 E 016 SO (shift out)			&#46;</td><td></td><td>100</td><td></td><td></td><td>478;</td><td></td><td></td><td></td><td></td><td>n n</td></tr><tr><td>15 F 017 SI (shift in)</td><td></td><td></td><td>6#47;</td><td>-</td><td></td><td></td><td></td><td><u>@</u>#79;</td><td></td><td></td><td></td><td></td><td>o °</td></tr><tr><td>16 10 020 DLE (data link escape)</td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td>%#80;</td><td></td><td></td><td></td><td></td><td>p p</td></tr><tr><td>17 11 021 DC1 (device control 1)</td><td></td><td></td><td>&#49;</td><td>1.5</td><td></td><td></td><td></td><td>6#81;</td><td></td><td></td><td></td><td></td><td>6#113; q</td></tr><tr><td>18 12 022 DC2 (device control 2)</td><td></td><td></td><td>6#50;</td><td></td><td></td><td></td><td></td><td>6#82;</td><td></td><td></td><td></td><td></td><td>6#114; r</td></tr><tr><td>19 13 023 DC3 (device control 3)</td><td></td><td></td><td>6#51;</td><td></td><td></td><td></td><td></td><td>6#83;</td><td></td><td></td><td></td><td></td><td>6#115; S</td></tr><tr><td>20 14 024 DC4 (device control 4)</td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td>«#84;</td><td></td><td></td><td></td><td></td><td>a#116; ₺</td></tr><tr><td>21 15 025 NAK (negative acknowledge)</td><td></td><td></td><td>6#53;</td><td></td><td></td><td></td><td></td><td>«#85;</td><td></td><td></td><td></td><td></td><td>6#117; u</td></tr><tr><td>22 16 026 SYN (synchronous idle)</td><td></td><td></td><td>6#54;</td><td></td><td></td><td></td><td></td><td>«#86;</td><td></td><td></td><td></td><td></td><td>v ♥</td></tr><tr><td>23 17 027 ETB (end of trans. block)</td><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td><td>6#87;</td><td></td><td></td><td></td><td></td><td>w ₩</td></tr><tr><td>24 18 030 CAN (cancel)</td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td>x X</td></tr><tr><td>25 19 031 EM (end of medium)</td><td></td><td></td><td>9</td><td></td><td></td><td></td><td></td><td>Y</td><td></td><td></td><td></td><td></td><td>y ¥</td></tr><tr><td>26 1A 032 SUB (substitute)</td><td></td><td></td><td>6#58;</td><td></td><td></td><td></td><td></td><td>Z</td><td></td><td></td><td></td><td></td><td>6#122; Z</td></tr><tr><td>27 1B 033 ESC (escape)</td><td></td><td></td><td>6#59;</td><td>*</td><td>91</td><td></td><td></td><td>6#91;</td><td></td><td></td><td></td><td></td><td>6#123; {</td></tr><tr><td>28 1C 034 FS (file separator)</td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>6#92;</td><td></td><td></td><td></td><td></td><td>6#124; </td></tr><tr><td>29 1D 035 GS (group separator)</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>6#93;</td><td></td><td></td><td></td><td></td><td>} }</td></tr><tr><td>30 1E 036 RS (record separator)</td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>6#94;</td><td></td><td></td><td></td><td></td><td>6#126; ~</td></tr><tr><td>31 1F 037 US (unit separator)</td><td>63 3F</td><td>077</td><td>?</td><td>7</td><td>95</td><td>5F</td><td>137</td><td>_</td><td>_</td><td></td><td></td><td></td><td> DEL</td></tr><tr><td colspan=8>Source: www.LookupTables.com</td></tr></tbody></table>										

97 85-1 3) (02)

 $\frac{1 \rightarrow (a)}{(hor)} \frac{1}{a} + num1 - 1$ $\Rightarrow 9 + + 1 - 1 + 9 + 3$

91cm =) 5 (hr=> 'a' + 5 - 1 =) 98 + 5 9 - 1 -) 101 -) 101

5.