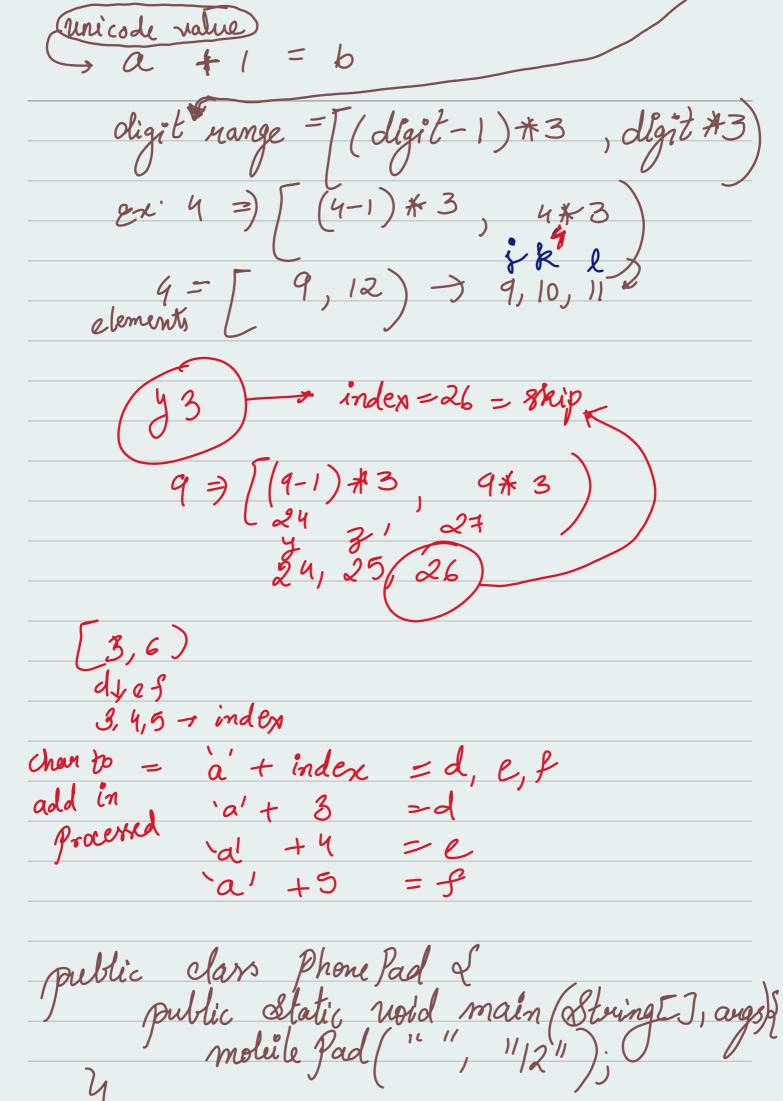
## Recursion Brestions =

\* Letter Combinations of a phone number AU these are multiple of def 345 9hi 3 cause 3 3 elements elements 5 arepresent MnD 39 7 at every 9 10 11 number. 8 Because of the last number ie VWX y Z 21 22 23 24 25/ Stu having 2 elements 18 19 20 The formular nange would be Input > 12 ans - ad, ae, a,f, b,d,b,e,b,f, c,e, c,f C, d, ABC



Static vold mobile Pad (string P. String up) (
if (up is Empty ()) \( \) Bystem out println (p);
return; int digit = up. charAt (0) i//thus mill bonvert 02' into 2. for (Int i = (digit -1) #3; 2 < digit#3; i++ & Chau ch = (chan)('a' + i);mobile Pad (p+ch, up. substrung 3) Number of Dice Rolls with Jarget Sum.  $4 \rightarrow [1,2,3,4,5,6]$ Ans [ (y, (3,1), (2,2); (1,1,2); ...]

main | janouing something 1/3 2/2 3/1 4/6 1/2 1/3/0 2-1/3 (111), (2), 1.3) Code! ps vm () 5

V | 121 0 dia (p: " ", target: 4); Static vold dice (Strings)
Int larget ==0) \{
System. out print in (p);
return; for(Int i=1; i<=689 i<= diee (p+i, target-i); 34



