$$(n)_{10} \longrightarrow (n)_{10}$$

$$(1011101)_{2} \longrightarrow (2011101)_{2}$$

$$(1011101)_{2} \longrightarrow (2011101)_{2}$$

$$(311101)_{2} \longrightarrow (2011101)_{2}$$

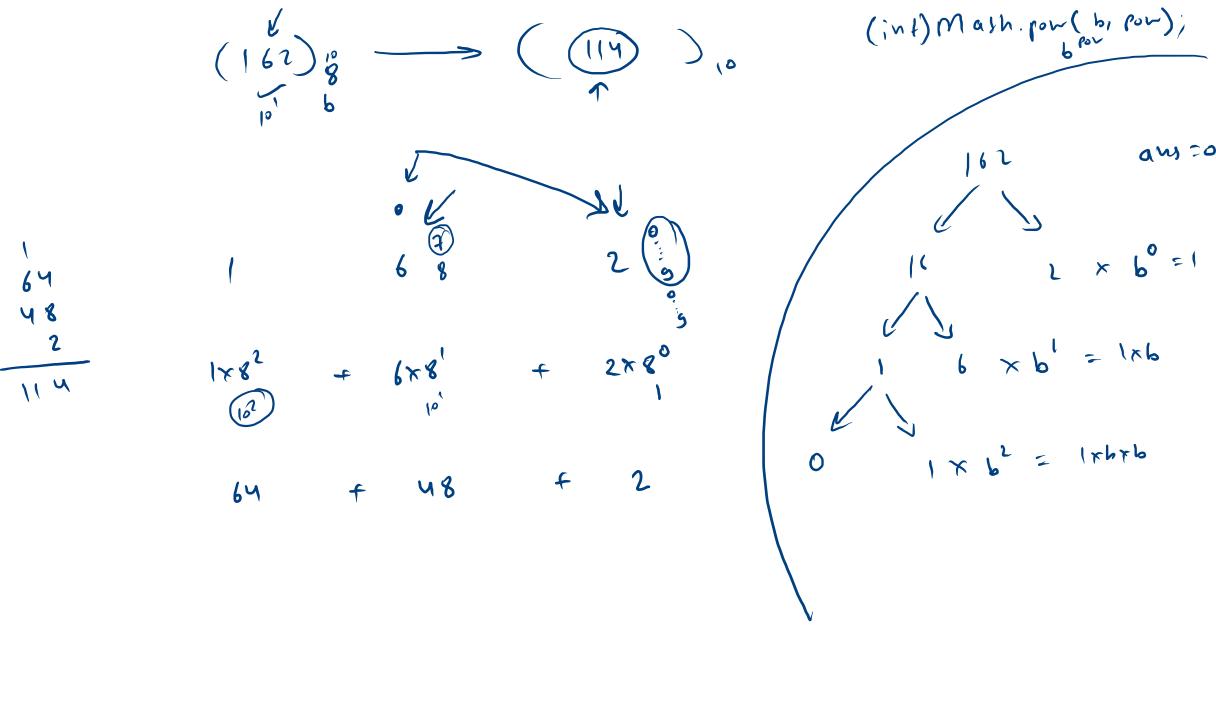
$$(31101)_{2} \longrightarrow (2011101)_{2}$$

$$(311101)_{2} \longrightarrow (2011101)_{2}$$

$$(31101)_{2} \longrightarrow (2011101)_{2}$$

$$(311101)_{2} \longrightarrow (2011101)_{2}$$

64 + 0 + 16 + 8 + 4 0 + 1



 $(161)_{8} \longrightarrow (114)_{0}$ mulli = 6° = 1 

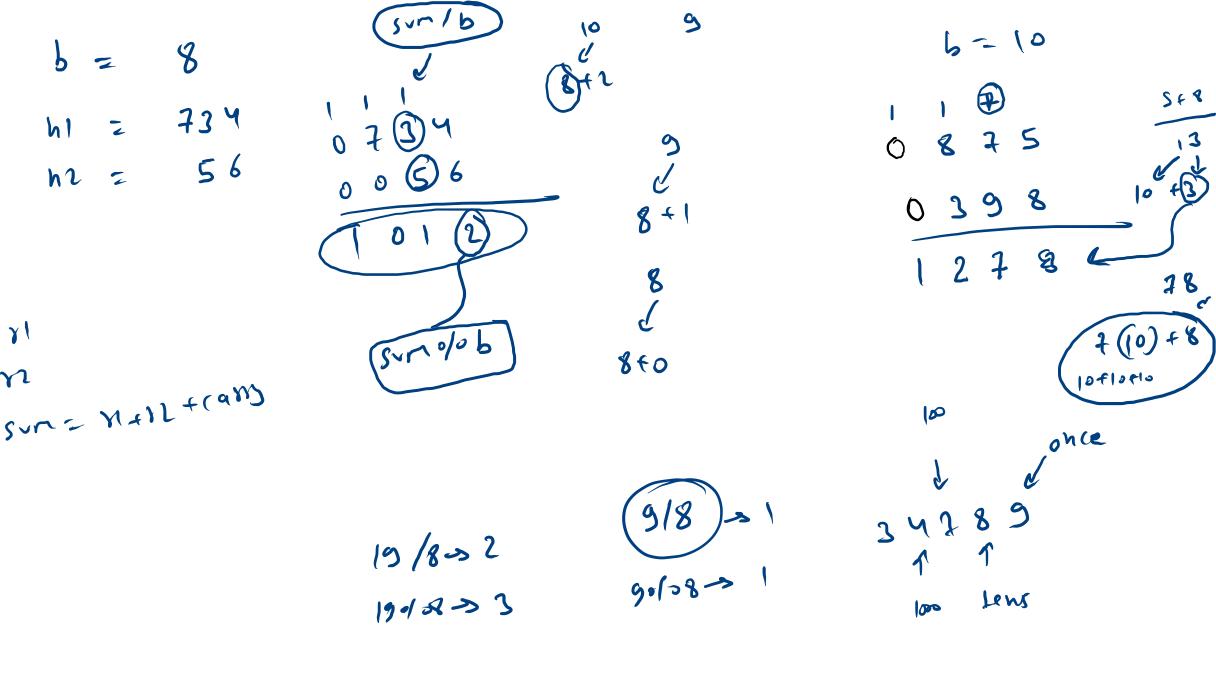
mul = 1 ans = 0 while ( h 1,20) } 1 = Nolo10



## Any Base To Any Base

$$(n)_{b1} \longrightarrow (?)_{b2}$$

$$h = 111001$$
 $b1 = 2$ 
 $b2 = 3$ 
 $(111001)_2$ 
 $(2010)_2$ 



734)K hl h2 z 101 hr 1 110 217

hI

1)

ans = 0 multi =1 //100 sum = 11+12+ (9715) digit = srm./0 b (arry= svr/b) mulli= multix10 Curzar n1=91

ans = ans + ligil x multi

$$\frac{129}{124}$$

$$\frac{1}{124}$$

$$\frac{$$

10 b=

Any Base Multiplication

578 h1 =

34 h2 =

52 en n1 8 139 e 42 ×10° , 2 3 12 x10' 2 340 ×102 5 2 8 00

26452

2 3 3

23

21+1

23

17

bz 8 50 M1 = 12 -> (1)10 240 h2= 324 -> (1)10 310 3600 7102 50 × 10 5 0 4110 E 24 × 10 pro z multiply with sinstedigit (b, u1, Y2) + 36 × 102 anshere affition (b, ans, poxmulti) 4110 1310 3600

|M| = 32 |M| = 32 |M| = 32 |M| = 32

marle 12

int marks[] = new int[4];

marks[2] = 5

marks[] = 92

int sur = mark[] + mark[]

1) 5 92 3 4 4 4

16 byte

 [10 15 ] 17

// S(a----

6 15 30 40 4 11 9

•	١	٤	2	4	5
15	30	40	4	(1	9

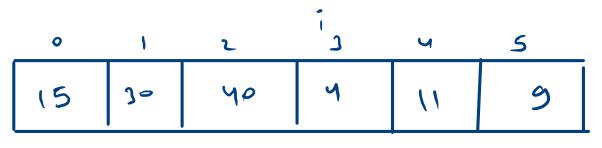
Spah >> max - min
40 - 4

= 36

sup 2 -> span

sup 2 -> span

sup 3 -> print



max= ans (o) min = anr [0] mar = 45 300 40 min = 45 4 8 bit-> 1 by le 1024 by k > 1 kb 8 Chs 8xlory mb 1024 Kb > 1 Mb 18×1054 ×1054 ×1054 ×8 21/1 1024 Mb = 136

32 hit

(i) (ars(i) > max)

(max= ars(i) (if (arr(i) < min)
min = arr(i)

inl nz 10

int arr[]= her int[4];

an(o) = 5

9n(1) = 7

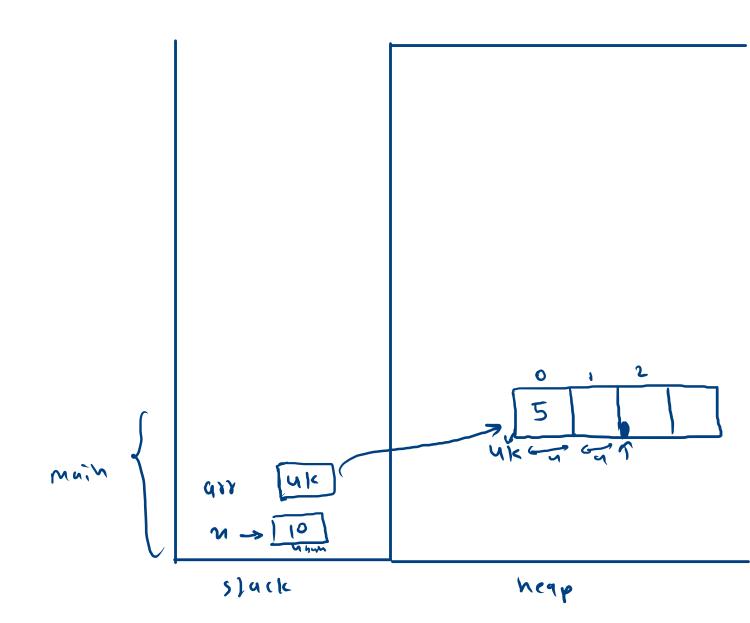
anci) = n

4K+ ix size

yle fox

4K +2 × 4

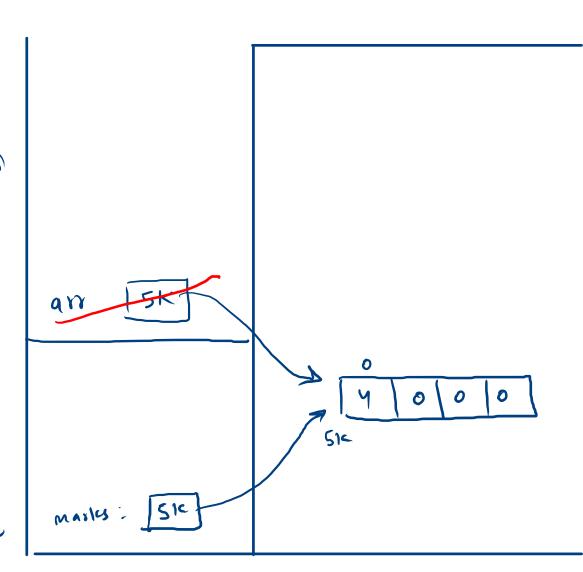
41648



yourse )

Score

```
public static void main(String[] args) throws Exception { 3
 int marks[]; // declaration
marks = new int[4];// initialization
                                            0000
   for(int i=0;i<marks.length;i++){
                                            4000
       System.out.print(marks[i]+" ");
                                                     init
  / System.out.println();
 init(marks);
  「for(int i=0;i<marks.length;i++){
       System.out.print(marks[i]+" ");
   System.out.println();
                                                    mail
public static void init(int arr[]){
   arr[0] = 4;
```



٥	•	2	3	4	5
13	30	40	4	11	9

$$d = 40 \rightarrow \frac{1}{2}$$

$$d = 44 \rightarrow \frac{1}{-1}$$

0	l	٦	i <sub>s</sub>	4	5	
13	30	40	4	11	S	

index = -1

$$dz \qquad y \qquad \Rightarrow \qquad 3$$

$$dz \qquad yy \qquad \Rightarrow \qquad$$

```
for(int i=0;i<n;i++){
    if(arr[i] == d){
        println(i); index=
        break;
    }
}
```

```
Int d = scn.nextInt();

Int index = -1;
for(int i=0;i<n;i++){
    if(arr[i] == d){
        index = i;
        break;
    }
}

System.out.println(index);</pre>
```

0	(	2	3	4	5	
13	30	40	4	11	9	

 $dz \quad 44$  in dix = -1