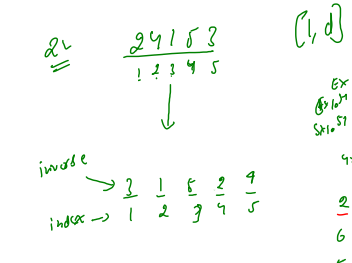
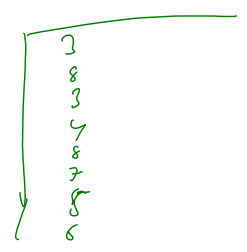
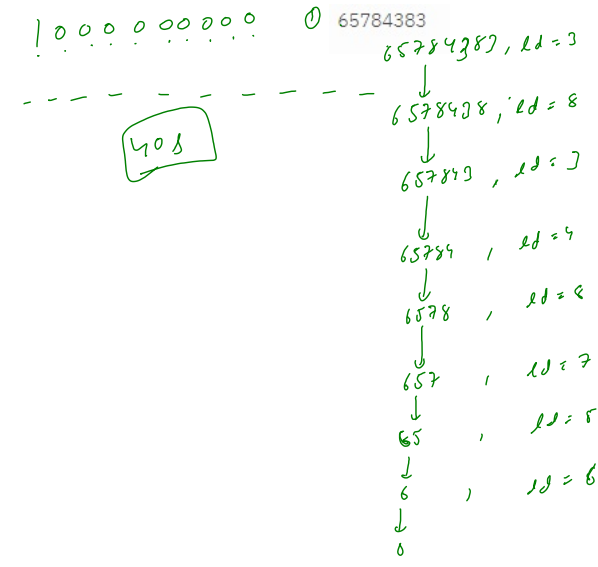


$2^0 = 10^{20} \approx 10^7$  [0, 40]  
 $2^{31} = 10^9$   
 $10^7 \rightarrow 10^{20} \approx 10^7$   
 $10^9 \rightarrow 10^{20} \approx 10^9$   
 $10^{20} \rightarrow 10^{20}$



```

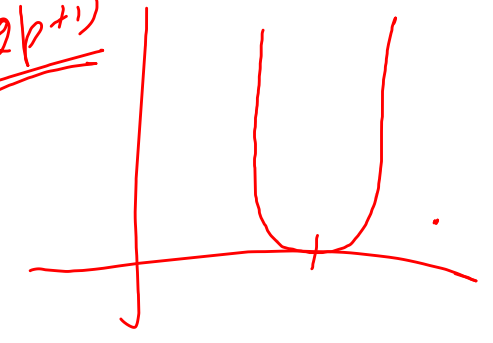
public static void printInverseOrder(int num){
    while(num != 0){
        int lastDigit = num % 10;
        num /= 10;
        System.out.println(lastDigit);
    }
}

```

$3 \times 10^1 + 1 \times 10^0 + 6 \times 10^{-2} + 4 \times 10^{-3} + 7 \times 10^{-4} + 2 \times 10^{-5}$

$(2p+1)$

$p = h \cdot m$



$0 \rightarrow 1 \rightarrow 2 \rightarrow \dots \rightarrow 20 \rightarrow 21 \rightarrow \dots \rightarrow 40 \rightarrow 41 \rightarrow \dots \rightarrow 60 \rightarrow 61 \rightarrow \dots \rightarrow 80 \rightarrow 81 \rightarrow \dots \rightarrow 100$   
 $0 \rightarrow 1 \rightarrow 2 \rightarrow \dots \rightarrow 20 \rightarrow 21 \rightarrow \dots \rightarrow 40 \rightarrow 41 \rightarrow \dots \rightarrow 60 \rightarrow 61 \rightarrow \dots \rightarrow 80 \rightarrow 81 \rightarrow \dots \rightarrow 100$   
 $0 \rightarrow 1 \rightarrow 2 \rightarrow \dots \rightarrow 20 \rightarrow 21 \rightarrow \dots \rightarrow 40 \rightarrow 41 \rightarrow \dots \rightarrow 60 \rightarrow 61 \rightarrow \dots \rightarrow 80 \rightarrow 81 \rightarrow \dots \rightarrow 100$

$(\tilde{0}, \tilde{1}, \tilde{2}, \dots, \tilde{9})$   
 $(\tilde{0}, \tilde{1}, \tilde{2}, \dots, \tilde{9})$

$\Rightarrow x = a^p b^q c^r d^s$

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59

$p = h^2$   
 $= h \cdot h$   
 $= (a^p \cdot b^q \cdot c^r \cdot d^s)^2$   
 $= a^{2p} \cdot b^{2q} \cdot c^{2r} \cdot d^{2s}$

$(2pm) (2q+1) (2r) (2s+1)$   
 $\downarrow$   
 $(2pm) (2q+1) = 2p \cdot 2q + 2p + 2q + 1$   
 $= 2(2pq + p + q + 1)$   
 $= 2 \lambda + 1$

$2\lambda = 2m \cdot n$   
 $= 2m \cdot n + 1 = \underline{\underline{odd}}$

$\frac{2}{2} \mid \frac{12}{6}$   
 $\frac{2}{2} \mid \frac{6}{3}$   
 $\frac{2}{2} \mid \frac{3}{1}$

$174 = (12)^2$   
 $= 12 \cdot 12$   
 $= (2^2 \cdot 3) (2^2 \cdot 3)$

$174 = 2^1 \cdot 3^2$

$(4n)(2n) = 5 \times 3$   
 $= \underline{\underline{15}}$

1, 2, 3, 4, 6, 8, 9, 12, 16, 18

24, 26, 48, 72, 144

$10 \rightarrow 3hr$   
 $20 \rightarrow 4hr$   
 $30 \rightarrow 6hr$   
 $40 \rightarrow 8hr$   
 $\propto (1-12)hr$   
 $(job) \propto (maximum) \quad (6hr)$