computer?

calculator -> computer

computer -> 1 and 0

(0)

100

32 -> computer?

how?

convert 32-> 10 convert decimal -> binary

0->0
1->1
2->10
3->11
4->100
5->101
6->110
7->111

(a) 4 m 5 yell (b) 4 m 5

(a) 4 m 5 yell (b) 4 m 5

(a) 4 m 5 yell (b) 4 m 5

(a) 4 m 5 yell (c) 4 m 5

(a) 4 m 5 yell (c) 4 m 5

(a) 4 m 5 yell (c) 4 m 5

(a) 4 m 5 yell (c) 4 m 5

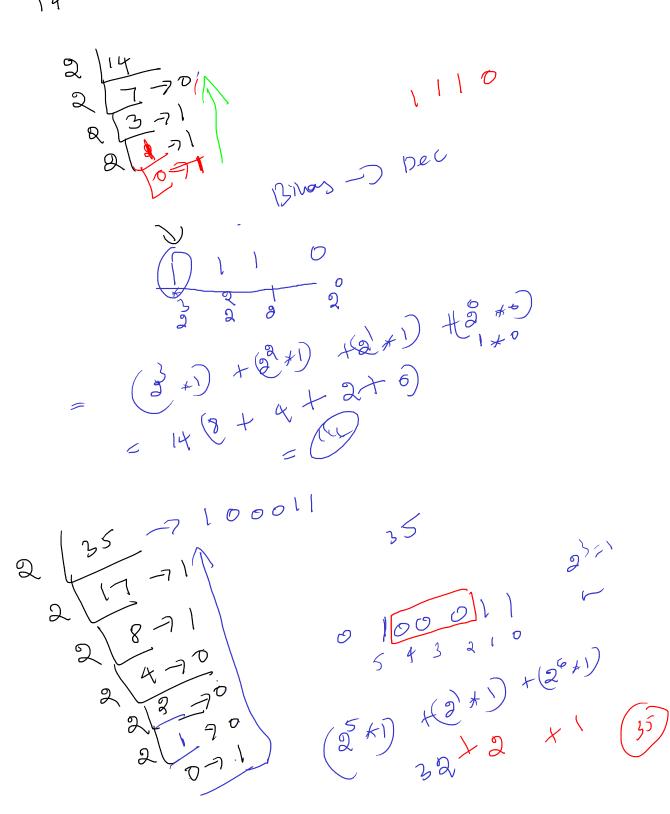
(a) 4 m 5

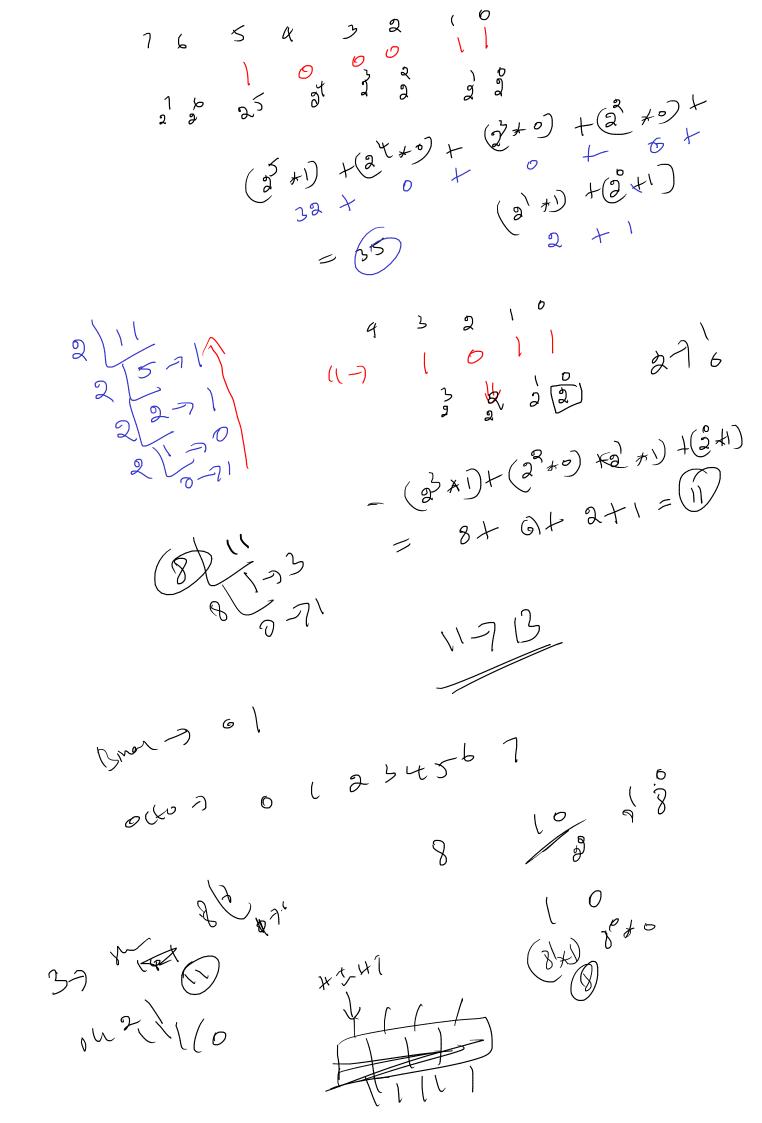
(b) 4 m 5

(c) 4 m 5

32 1 1 1 2 2 1 0 7 6 5 4 3 2 1 0

Deconor 0e 57 B1 $(2^{4} \times 1) + (2^{3} \times 2) + (2^{3} +$







can you give me 32?



A (char to binary)

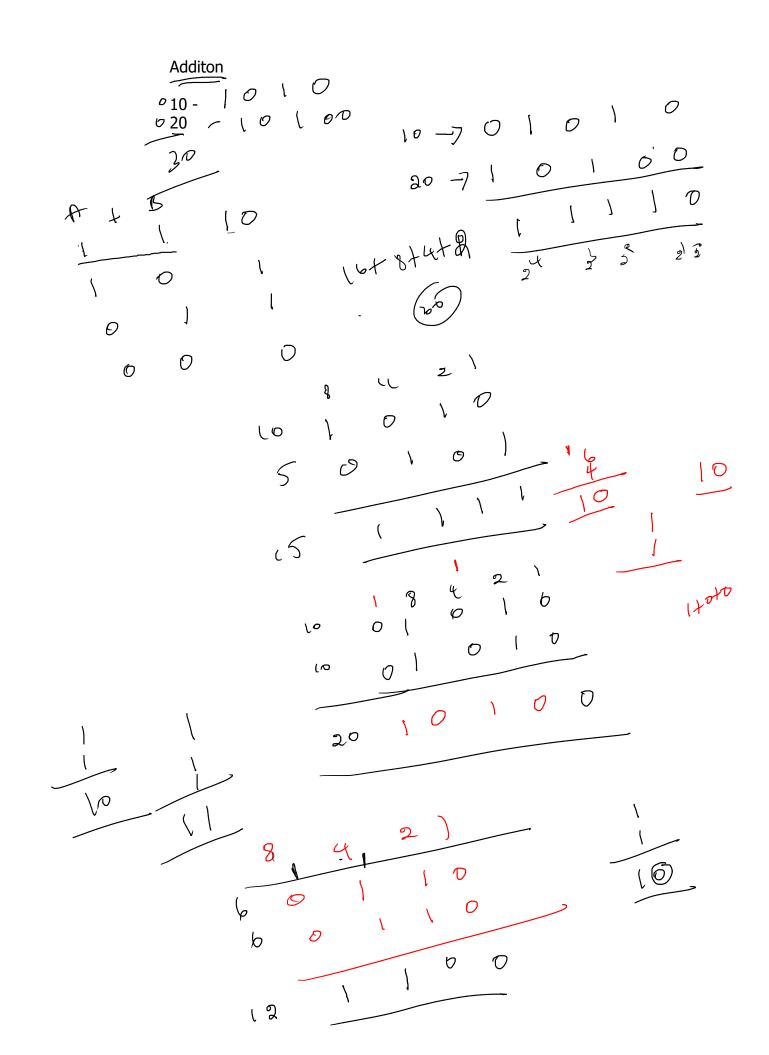
- 1. get ascii value(decimal) of A
- 2. convert this decimal to binary

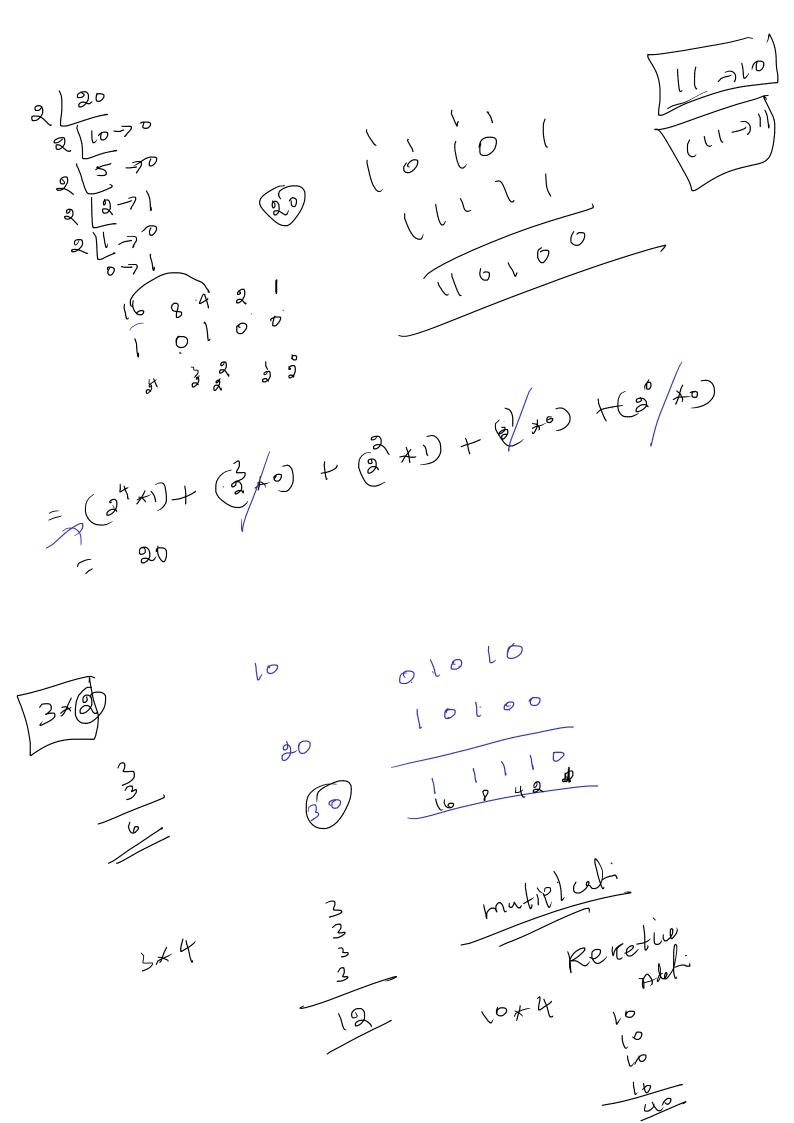
3. store

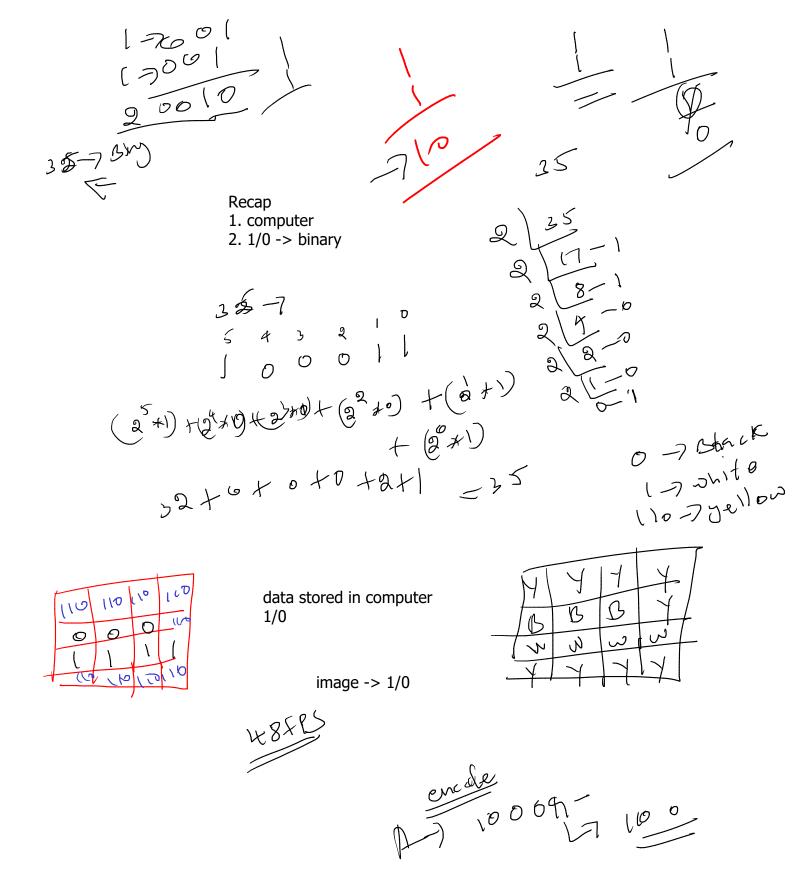
32 (Decimal to binary)

divide by 2

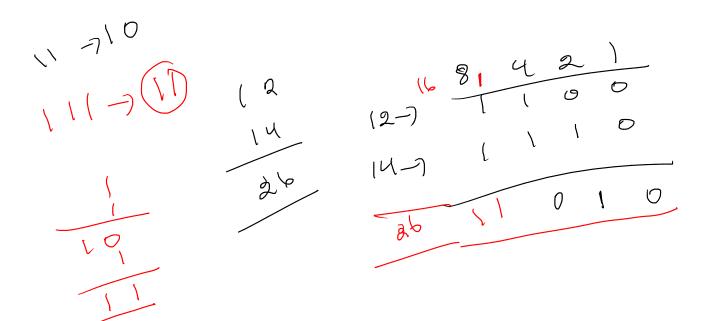
C A N 1000011 11000001 100110







(\mathcal{O} 0 0 Chora tor 6 0 0 0 22 20 0010 உ D ೩ addition -> addding subraction -> sub multiplication -> reptive addition -> reptive subraction division



2 0001

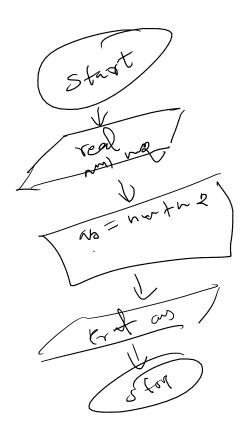
num1, num2
ans = num1+num2

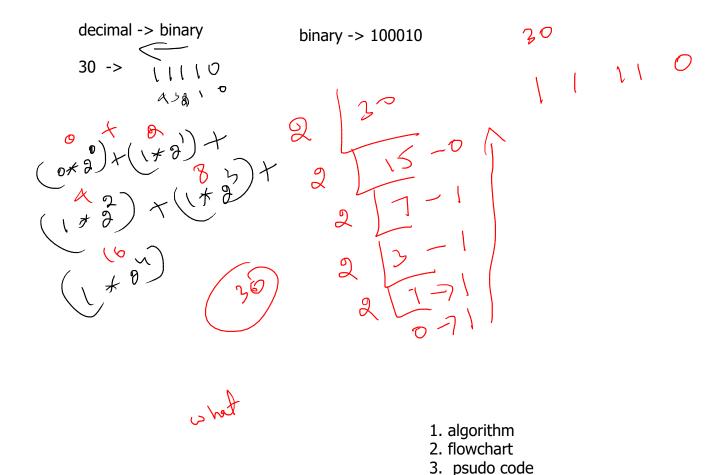
algorithm for adding two numbers

- 1. start
- 2. input num1 and num23. do addition and store it ans. ans = num1+num2
- 4. output the ans
- 5. stop

psudocode

- 1. start
- 2. input num1, num2
- 3. ans = num1 + num2;
- 4. output ans
- 5. stop





number is prime number or not?

1+2+3+4+5 => (5*6)/2

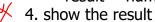
algorithm:

- 1. start
- 2. read the number
- 3. result = number is prime number
- 3. start from 2 and go till number-1 (a) at any point of time, if num is divisble by a then result = number is not prime number
- 4. show the result
- 5. stop

psudo code

- 1. start
- 2. read number
- 3. result = number is prime number
- 3. start from 2 and go till number-1 (a) if num is divisble by a

result = number is not prime number



5. stop

steps

- 1. create new notepad file Main.java
- 2. write the code
- 3. save
- 4. javac Main.java (after executing, we got Main.class file)
- 5. java Main

compile

javac Main.java java Main