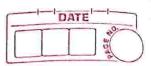


iñ In	
	"1'entras [01011 000 10111 0 12 00
	[10] [1] 00//
	101011000101110 [100101] [1001]
	1 2 21 20
	23
	9 4 2
	20th bit
	:. There age 11 1's in Last 20 bits.
	7
1	of How many is in last 15th bits of given stream affer
	of How many is in last 15th bits of given stream after appending new bits as III by using Duimalgonithm
	St. seam: 10/110/1000/10/100110/11
	There are 10 1's they has stream in
	lect 15 bits
Telle -	
1.	of Flight Martin Agorithm;
	J. J. Martin Might Mills
	is the Flaight Mag Lb Alamostha is all
	17 The Flajolet Martin Algorithm is also known as
	Pershabilitie algorithm which as is marry used to
	count the number of anyme elements in a stoream
	27 This Alaceith was a little of the
	by This algerithm was shoonted by philippe Flajout and
	10 1983 and since then it has been
	used in various applications such as data militing
	and database applications.



	37 The basic idea to which Flajout - Maath algaerion
	is based on is to use a hash function to map the
	Humento in the given datacet to a binagy storing us an
	estimator for the number of unique clements for to use as
	a value element.
	The state of the s
	The steps for the Flajolet-Nantin algorithm ane;
	17 The first Step 15 to Choose a hash function that can
	be used to map the element in the database to fixed
	length bihavy strings. The length of the kinary string can be chosen based on accuracy and street. desired
	ny Next Step 18 to apply the hour to true the to accept the
	in the datacet to apply the hack function to each data item
	In the datacet to get its binary stong superecentation.
-	girlimost Loero in each bihary string
	Tego for all his agus staches
	Lear for all bihary strungs.
	By How me estimate the no. of distinct elements in the
	database as 2 to the Remase of the recommend provide
	of the slightmest zero which me calculated in parious steg-
	The state of the premoter stage
	dehembre destrict clemax using FM algorithm.
	Hash function H12) = 6x+1 & mod 5
—	illustrates a latin select to the same of the same
-	Step!:
	Ma)= h(1)= (62+1) mod 5 . = 7mod 5 = 2
	h(3) = 13 myd 5 = 3
	h(3) = 19 md 5 = 4
	$h(h) = 25 \mod 5 = 0$
	Street Binary repartement (3 5it)
	The state of the s



	$h(1) = 2 = 0 \mid 0 = 1$
	h(2)=3=0[1=50]
	h(3) = 4 = 100 = [2]
	h(h)=0=000=0
	Step3: 6 Count each O after one (1) from bihary
	superuntation of step 2.
	h(z) = 0
	h(3) = 2
	h(4) = 0
	Stephi- Find maximum value from 5193
	$\frac{1}{h(3)} = 2$
	$\alpha = 2$
	Stors: Piethet eliment
	$R = 2^{2} = 2^{2} = 4$
8.1	
	8) Page Roh Mumailal
-	1000-100-100-100-100-100-100-100-100-10
	PR(A) = (1-d) +d (PR(Ti)((Ti) ++OR (Th)/((Th))
	PA(A) = Page north A

PR(Ti) = PR of pages Ti which like to page A (17i) = ro. of outboard links in page Ti

Tupod factor

d= damping