11.)

- time a packet of length L over a proadcost channel of rate R
- -> The progragation delay blu the two node as dprop
- of packet from another node white drop < 1/R

-: The collision is occured

ordapter will process the framers, but the codapter will not poss the data grow up the protocol stack. If the LAH Broad ast address is used, the c's chapter will both process the frame and poss the datagrow up the protocol stack

pro cedure

deklaration that associate on identifier with a statement

Activation free

Root main

function are children

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subdivision of Runtime momory compile time - code + momory location for code static Data Rantine --- steck Heap - er.malloc Inter main () enter read array () leave read Barrey () enter exsort (1,a) enter part (1A) leave para (1/9) deave grant (1,9) (Eave main () a (5197 P (11a1) W(1/3) P(1/3) BY(1/01 a)(2/3) (5/4) ] a(5/5) a((7/9)) P(7,9) a/(7,7) P(213) 4(21) 4(313)

2)

```
Example - aruick sort Activation free
                       Ly holps us to know which an
                         function are active
                         and also the control flows
         void oward (inin, intx) q
               print ( the value of 1.d! is Ted In me
         int for cirt n) q
           int x;
           if (UZ,)
              x = n, fat (n-1);
          else
           ord bot (215)
           return x;
         void main 109
              -jad (4);
```

3 Activation free fat (4) main J, -Jat (4) -jut (3) 1 Jed (2) 1, fed(1) out put (415) 716(3) orabon (34) fib (u) Scand printf print (y) JITable 17359 control stach 4) keep too track of line procedure activation . I flaw of control is programe corresponds to first traversal of Act tree Dr depth push - activation begins whon out ends

## Activation record

contral link - pointer

that point to

action varion record of caller

access link -point to no n

local data

Coneyn is deteract
return

SMS - holds imp about machine

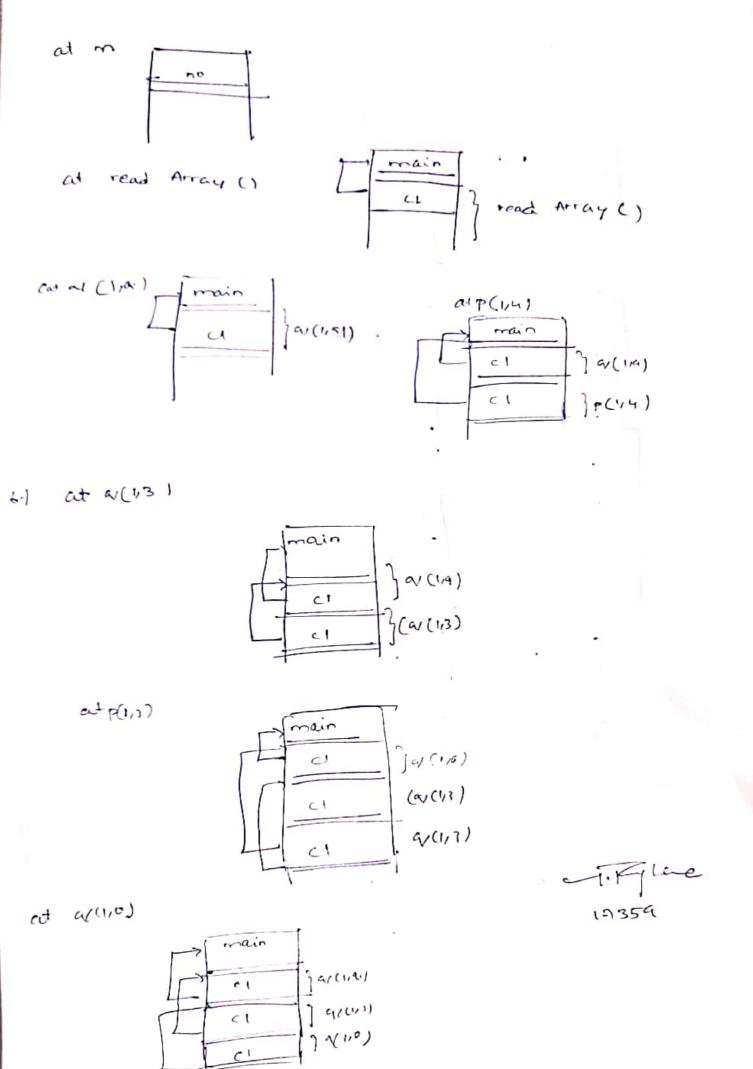
local data temporaries - temporary value used in evaluation

reduct frometers
reduct value
control link
Access link
source Machineslade
Local data
Temporciis

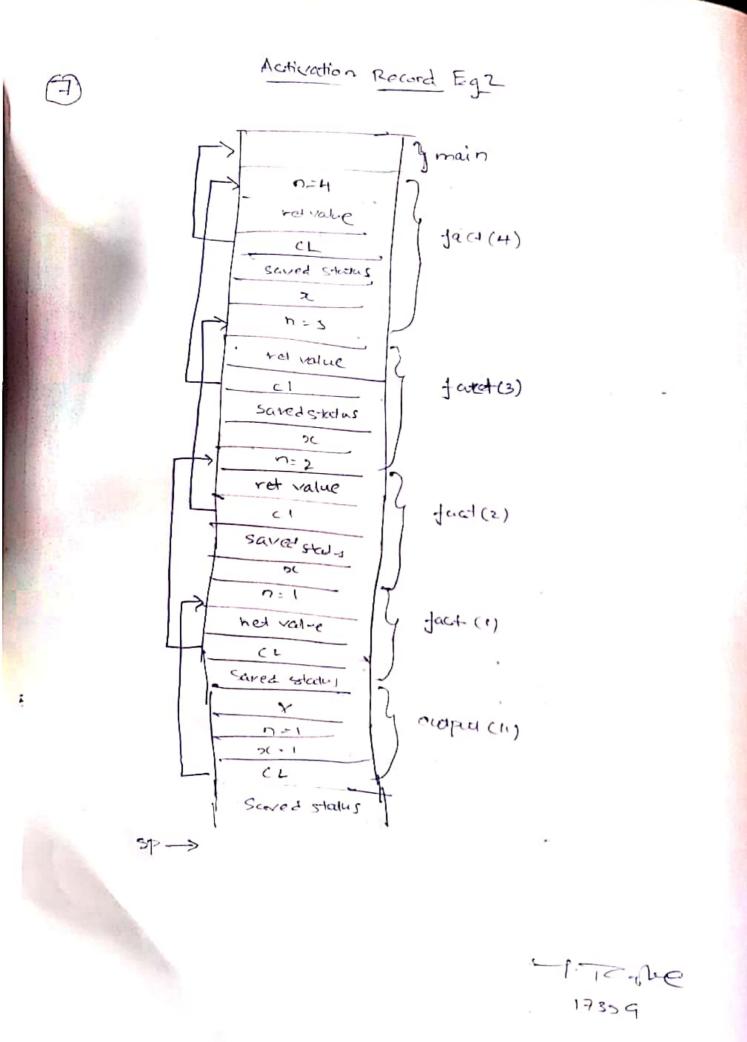
value - value
to be
returned

5.) Activation Record - Egl araick son

P(113) ar(110) ar(213)



Scanned with CamScann



Scanned with CamScanr

$$- \frac{3P(x)}{4} = \frac{x^3 + x^2 + 10^6 (1101)}{4(101)}$$
Multiply by the number of buils in the (RC polynomic)
$$\frac{3(5(x^6 + 3x^3 + x^2))}{3(5(x^6 + 3x^3 + x^4))}$$

we the divide and determine the remainder the result is 'our" so the transitified why is

1001100007

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