Kousshik Ruj POPL (ASS-3) 17CS 30022 1) Func2 a b c (Func 2 5) Func I first is called with a, then I, then c, which finally notwens a func (say, func3). = femc3 (Func 25) This is evaluated only when the value needed. If its not needed, this exprn. If Is needed, Func takes 2 y then 5, os purameters & networms a value which is used by func 3 & is evaluated. isn't evaluated. Haskell uses awaying I bazy propagation In the list comprehension (infinite) sum of the values of pairs is always k. i, it is the 12th index (0- lased index) 3 a) [1,2,2,4,3,6,4,8,5,10] b) ["tac"", "god", "and", " nep"] C) [[1,7][1,3,5,3,15],[5,7],[1,1,3,4,3,3]] d) True 4. insert Element: (Eq a, Num b, Eq b). Q (c:x5) b= Q C O = a a [c]

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Kousshik Ray
5) input data char
                                      17 CS30022
    extract nonupporceuse: storing > soring
                       a = tille slipper a
     a) b
     b) 54
     c) (quote cons)
      d) ( (abc) (aa) (a))
 7, Édefinesum (
           lamba (ls) (
              apply + (ions '6 ls)
 8. a) (define counter(
lambda (ls) (
if (null ? ls) 0
                  (+1(sum (cdr ls)))
 (b) (define AND (lambda (a, b)
             (if (not a) # f #f)
q. (clyline miltor (ls n) (mapion(
              lambdu(r)(+n \times)) (s)
 10. (define Power (x, y)
           ( cond ((= y 0) 1)
               (+ (* x ( power x (-y 1))))))
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