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CS 558 10 September 2024
  Note Title
                                                               2024-09-10
     No class Thursday 12 Sept. Wo offer Louis.
      foldr: (a + b -> b) -> b -> [a] -> b
     folder f v [] = V (folder f v xs)
                            sinn = foldr (+) o
             fall (+) 0 [2,5,9]
             "-folder (+) 0 (2: (5: (9:[])))
                        ×s = 5: (9:11)
             = (A) 2 (folder (4) 0 (5:(9:[7)))
             = (4) 2 (4) 5 (fadr 4) 0 (9:[]))
             = a, 2 (a) 5 (a) 9 (foldr (+) 0 []))
             = 4) 2 (P) 5 (H) 9 O))
             =(4) 2 ((+) 5 9)
              = (+) 2 1+
              = 16
16(1 (:) 1] = id
   -pld :: (b=a-b)-b-1a]->6
  fold f V [] = Y
  fold f v (x xs) = fold f (f vx) xs
    fold (+) 0 (2 \cdot (5 : (9 : []))) = fold (+) ((+) 0 2) (5 : (9 : []))
    = fold (4) (4) (4) (902) 5) (9:17)
    = fold (+) (4) (4) (4) 02) 5) 9) []
   = 4)(4)(4)(4)02)5)9
      = (+) (+) 2 5) 9
= (+) 7 9
= 16
      In practice, we doubt use the strict (namlary) fruction fold!
                                 ratur to fold or folder
                                  when are lists are very long (but firste)
                  YL .. [a] . P(b)
    Park of A for
                             Turnally of to for f b = g b

Er some fremo fig : (a) - 6
          traple. Yl: [Int]. sun l = foldr (+) O L
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