Problem 2: Détermine T(n) & Big-0. (a) There are 3 if, but the first 2 are exclusive: - total = 1 -> 101. - nso -> 1 op - is last iteration > 10p. - i= n: -> 10p. - i71; i--: -> 2m. total=total*i:--> M. =) T, (n) = 3h + 4 The last if: (Page 3). _ n % 2 == 0 -> 10/1. - i=0 -> 10p. - ikn (last iteration) -> 1 of. ikn, n+=2: 1/2 0p. total = total + i - -> = 0p. => T2 (u): 3 + n+ n $-) T(n) = T_1(n) + T_2(n) = 7 + 4n + \frac{n}{2} \Rightarrow 0(n)$