



Decision problems \* Check membership \* Equivalence \* Empliness \* Succioness. L= { w | #a(w) = 0 (mod k) and #0(w) = 0 (mod k) } OPA sig= k2 8.e: 22(k) L= 3 w/ &- last bit is 1  $(0+1)^{*}1(0+1)\cdot (0+1)\cdot \cdot \cdot (0+1)$ DPA = 2 r(k)