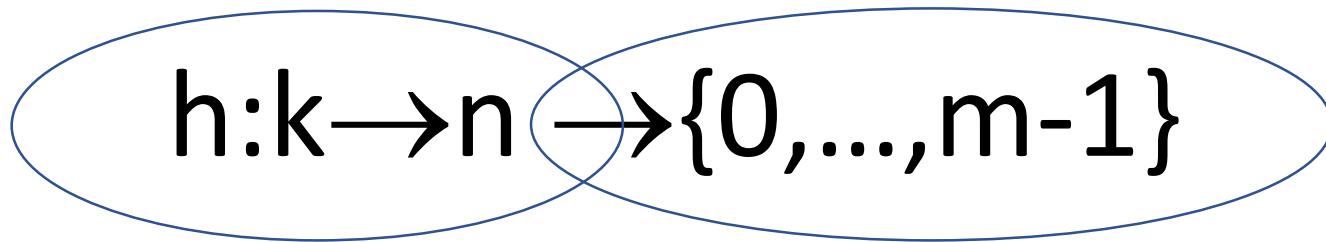
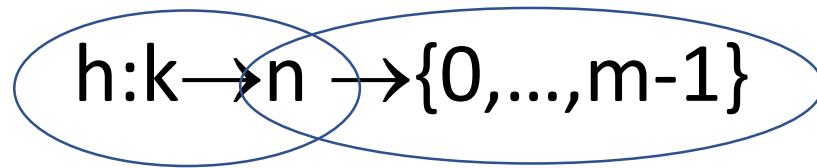


פונקציית גיבוב למחוזות



'NOW'

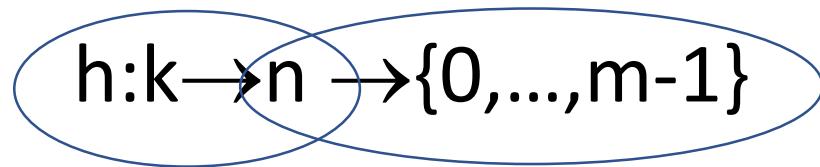
פונקציית גיבוב למחוזות



'NOW' =

N=110, O=111, W=119 (ASCII)

פונקציית גיבוב למחוזות



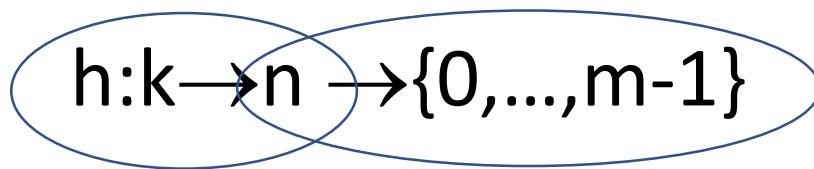
'NOW' =

N=110, O=111, W=119 (ASCII)

'123'=1*10^2+2*10^1+3*10^0

'312'=3*10^2+1*10^1+2*10^0

פונקציית גיבוב למחוזות

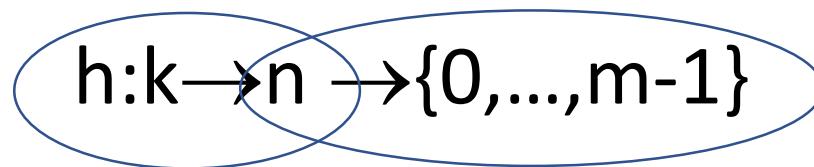


$$\begin{aligned}\text{'NOW'} &= \text{'N'} * 128^2 + \text{'O'} * 128^1 + \text{'W'} * 128^0 = \\ &= 110 * 128^2 + 111 * 128^1 + 119 * 128^0 = 1,816,567\%M\end{aligned}$$

N=110, O=111, W=119 (ASCII)

$$\begin{aligned}\text{'123'} &= 1 * 10^2 + 2 * 10^1 + 3 * 10^0 \\ \text{'312'} &= 3 * 10^2 + 1 * 10^1 + 2 * 10^0\end{aligned}$$

פונקציית גיבוב למחוזות



$$\begin{aligned}\text{‘NOW’} &= \text{‘N’}*128^2 + \text{‘O’}*128^1 + \text{‘W’}*128^0 = \\ &= 110*128^2 + 111*128^1 + 119*128^0 = 1,816,567 \% \text{M}\end{aligned}$$

$$\begin{array}{ccccccc} & & 2 & & 1 & & 0 \\ L & & L-1 & + & L-2 & \dots & + & 1 = (1+(L-1))(L-1)/2 \\ & & & & & & & = O(L^2) \end{array}$$

$N=110, O=111, W=119$ (ASCII)

$$\begin{aligned}\text{‘123’} &= 1*10^2 + 2*10^1 + 3*10^0 \\ \text{‘312’} &= 3*10^2 + 1*10^1 + 2*10^0\end{aligned}$$

פונקציית גיבוב למחוזות

'NOW' = 'N'*128^2 + 'O'*128^1 + 'W'*128^0 =
 = 110*128^2 + 111*128^1 + 119*128^0 = 1,816,567

2	1	0
L	L-1	+ L-2 ... + 1 = (1+(L-1))(L-1)/2

$= O(L^2)$

N=110, O=111, W=119 (ASCII)

'NOW'=((128*0+'N')*128+'O')*128+'W'= O(L)
=110*128^2+111*128^1+119*128^0=1,816,567

Horner's Algorithm:

```
for (h=0; *v!='\0'; v++)
    h=(a*h+*v)
```