

$$
37=\underbrace{\underbrace{100110}_{4} \underbrace{1001}_{6}}_{4}
$$

$$
\begin{aligned}
& 37100101 \\
& +8+1000
\end{aligned}
$$

45101101
pos


RI. $\square$

$$
\begin{array}{r}
p o s=(R 2 \ll 6)+1 \times 1 \\
\left(p^{o s} \& 077\right)
\end{array}
$$



Mam Size 256 Bytes
Cache Size 16 lines 2-way set associative Cache Block 2 Bytes


Mem access:
LRU timon miss $37,4,132$
4:00000100
37: 01000101
132:10000100

$$
M_{\text {sm }} \text { Size } 256 \mathrm{~B}
$$

Cache size 1 Line (fully association) 8-way set assoc. Cache Block 4 Bytes


CAM -content addressable memory


