



32kB 4-way

$$T_{hit} = 500 \mu s$$

$$MR = 0.037$$

$$T_{penalty} = 15 \times (350 \mu s)$$

$$\overline{T}_{access} = T_{hit} + MR(T_p)$$

$$= 500 \mu s + (0.037)(15 \times 350 \mu s)$$

32kB 2-way

$$T_{hit} = 350 \mu s$$

$$\overline{T}_{access} = 350 \mu s + (0.037)(15 \times 350 \mu s)$$