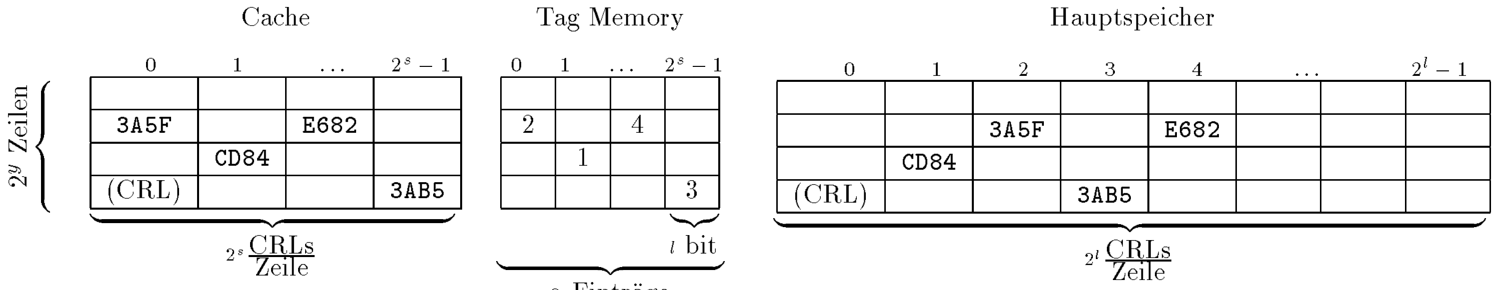
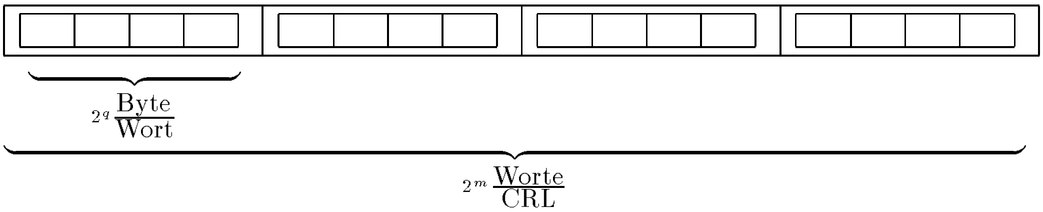
Set Associative Cache



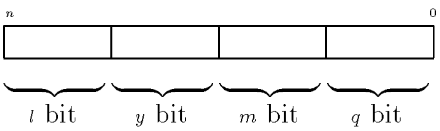
Cache-Kapazität:
$K_c = 2^{s+y+m}$ Worte
$= 2^{s+y+m+q}$ Byte

Hauptspeicher-Kapazität:
$K_m = 2^{l+y+m}$ Worte
$= 2^{l+y+m+q}$ Byte

Aufbau einer Cache Refill Line (CRL)



Interpretation der Hauptspeicher-Adresse



$(n = l + y + m + q - 1)$

Associative Cache

Set Associative Cache für den Sonderfall $\boxed{y = 0}$

Direct Mapped Cache

Set Associative Cache für den Sonderfall $\boxed{s = 0}$