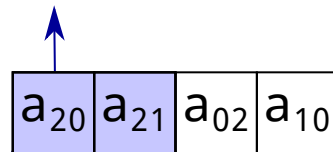


```
for (int j = 0; j < N; j++) {  
    for (int i = 0; i < N; i++) {  
        c[i] += a[i][j] * b[j]  
    }  
}
```

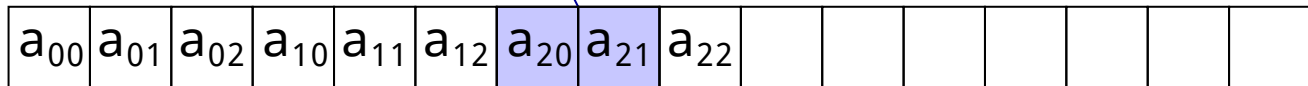
Load $a[2][0]$:

Cache miss

Fetch cache line from RAM



L1



RAM