

TLB	Page table	Cache	Possible? If so, under what circumstance?
Hit	Hit	Miss	TLB misses, but entry found in page table; after retry, data is found in cache.
Miss	Hit	Hit	Impossible: cannot have a translation in TLB if page is not present in memory.
Miss	Hit	Miss	Possible, although the page table is never really checked if TLB hits.
Miss	Miss	Miss	TLB misses, but entry found in page table; after retry, data misses in cache.
Hit	Miss	Miss	Impossible: data cannot be allowed in cache if the page is not in memory.
Hit	Miss	Hit	TLB misses and is followed by a page fault; after retry, data must miss in cache.
Miss	Miss	Hit	Impossible: cannot have a translation in TLB if page is not present in memory.