Chapter 7.23

Let us assume number of cores = 4.

Average number of requests = (Haximum transaction processing vate x Average transaction latency) / Humph core

Average Fransachon latercy	Maximum transaction processing rate	Avorage number
1 ms	5 000/see	1.25
2 ms	5000/see	2.5
Im s	10 pco /sec	2.5
2 ms	10,000/see	5

if moved to an 8-core system they double the maximum transaction rate by doubling the number of materials.

Depend obtain this kind of speedup because this does not happen is due to memory contention on the showed memory system and the speedup should increase by increase the number of cores used cores when increasing the number of cores used