(Inclusion, Coherence and Locality)

The set 1 vicentionship implies that all insametion items are originally stored in the outermost level My

Coherence Property: - The copies of the same information item at successive memory levely be confished

of that would must be undated immediately or eventually at all higher levels.

The frequently used information is often found in the lower level in order to minimise the effective accept time.

There are two strategies for mailtailing the Coherence

write through (WT)! - Immediate update in Mi (i=1-h) in Mi+1, i! a word it modified in Mi (i=1-h) write Back (WB)! - Dolay the update in Mi+1 write Back (WB)! - Dolay the update in Mi+1 write the word being modified in Mi'il ortil the word being modified in Mi'il ortil the word or removed from Mi'.

- 3 (Inclusion, C&L)
- Locality of Reference! . 91 i'll a program behavior which develop memory hierarhy.
- >> Memory references are generated by the CPV for either instruction or duty access.
- -) There accepted tend to be clustered in certain unegions in time, space, and ondering.
- -) Most program act in favor of certain portion of their address space at any time window.
- Hennesty & Patterson pointed out a 90-10 mule. Means that a to a typical program may speed 90% of its execution time of only 10% of the code