Working-set model



 Δ = working-set window = a fixed number of page references

Example: 10,000 instructions

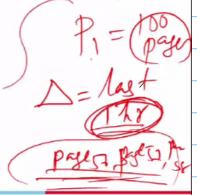
 WSS_i (working set of Process P_i) = total number of pages referenced in the most recent Δ (varies in time)

- $-\hspace{0.1cm}$ if Δ too small will not encompass entire locality
- if Δ too large will encompass several localities
- if Δ = ∞ ⇒ will encompass entire program

 $D = \Sigma WSS_i \equiv \text{total demand frames}$

Approximation of locality

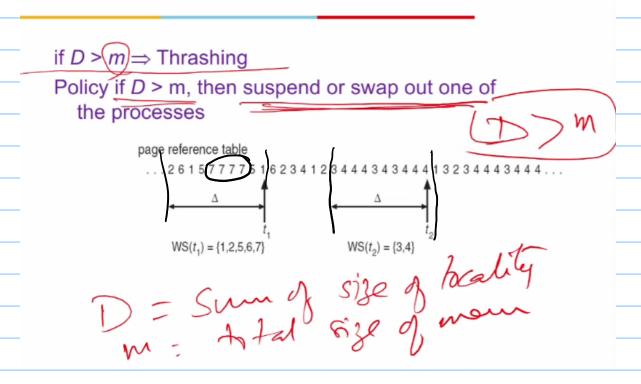




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D>m => Thrashing
m=Total size of memory

Working-Set Model (Cont.)



- 1) Write bock cache with work allegate.

 In soden to capture subsequent

 worker to the block in Cache
- 2) Write through Calle with wowerte-alleate - Since subsequent writes 5 till have to go to the main memory

Vistral Memory

I have shower. Mul Endborg (instan) want

5 borbeen fine how when on the software;