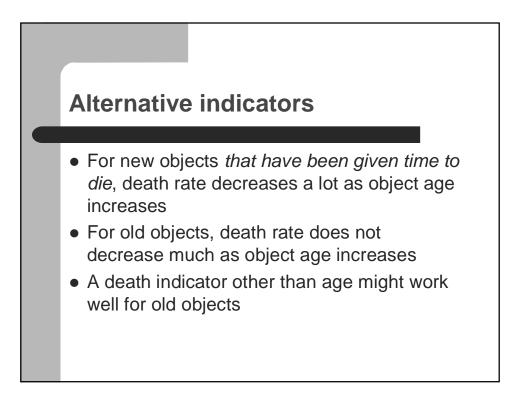
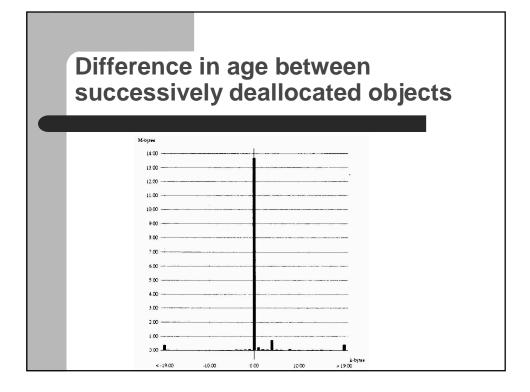
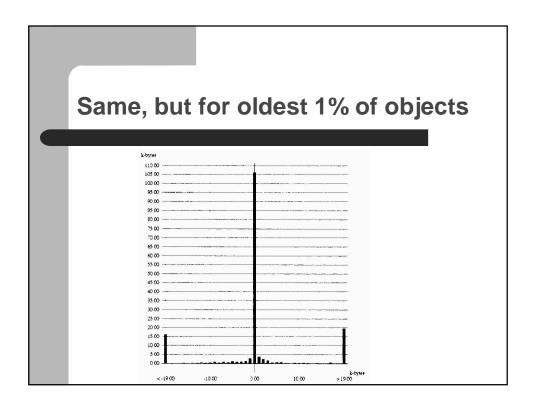


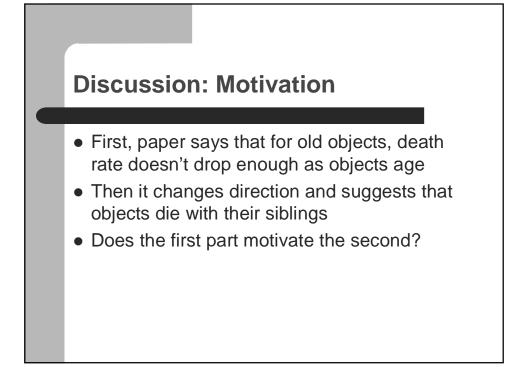
Discussion: Strong generational hypothesis

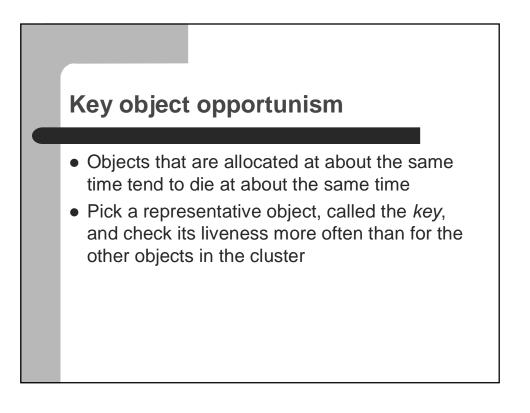
- Does Hayes agree with the generational hypothesis?
- Is the strong generational hypothesis correct?
- Generational collectors typically only have two or three generations

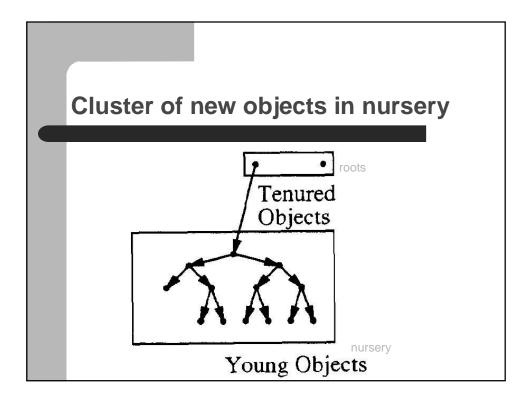


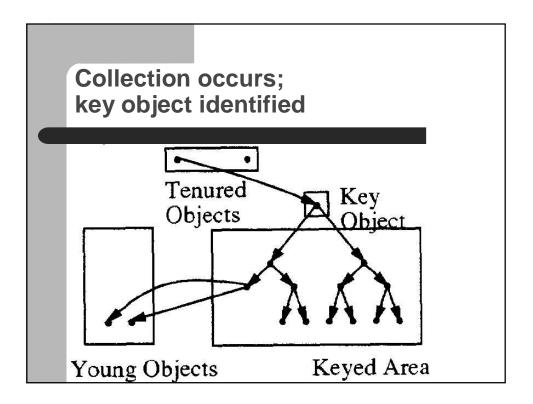


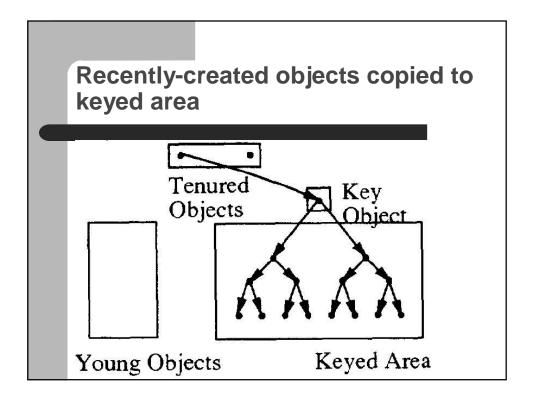


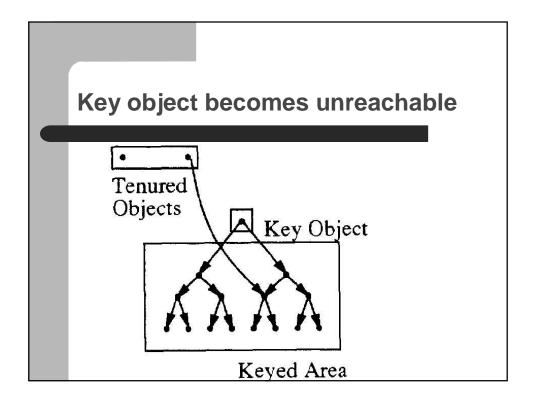


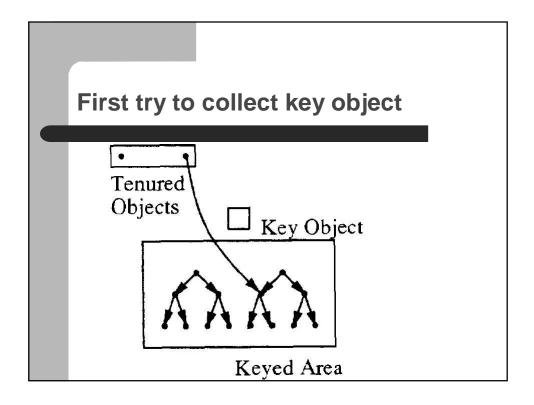


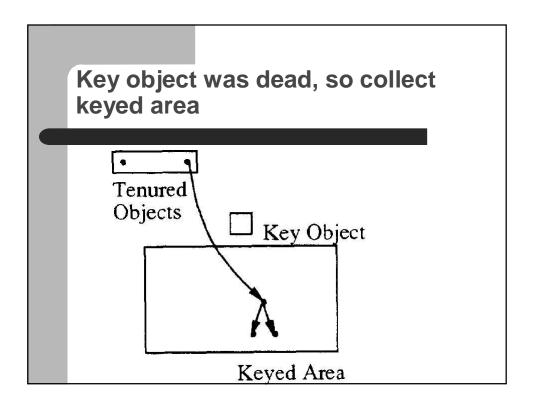


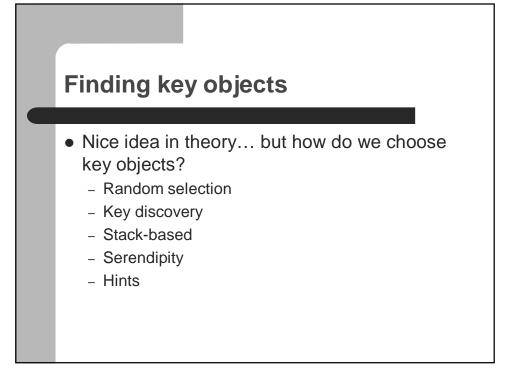


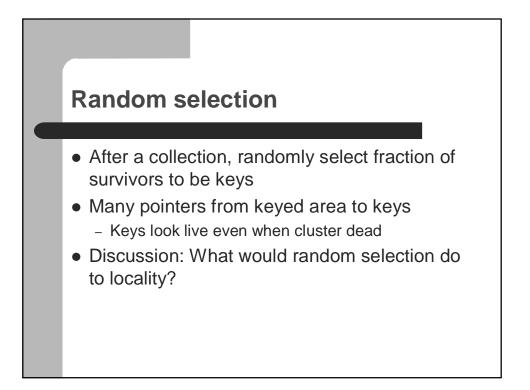






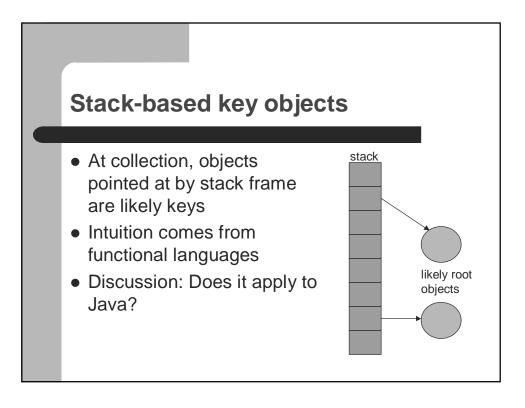


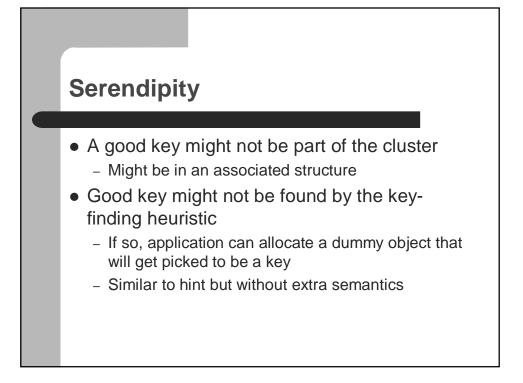




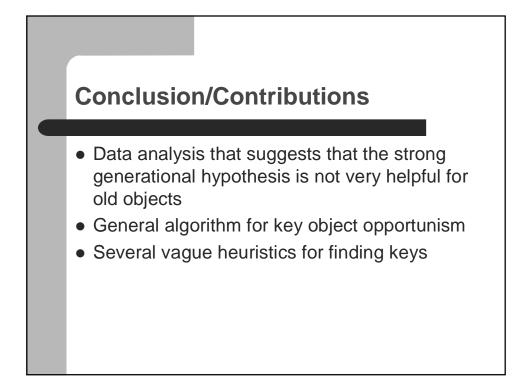
Key discovery

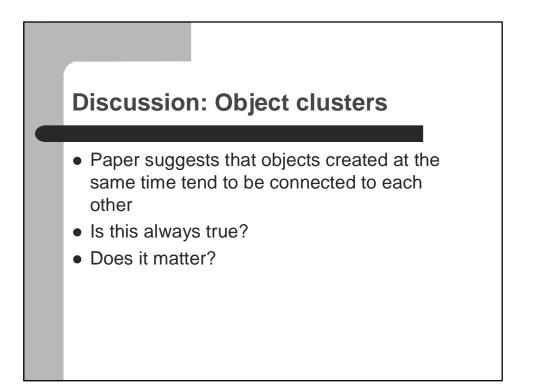
- Collector observes generational behavior
- Tries to pick likely roots when the survivors are promoted out of the generational space













- In object-oriented languages, container objects might make good keys
 - Example: container class for a binary tree
- Compiler could mark likely container objects – Might be hard to pick statically
- Your thoughts?