

Reference types

Reference type

Type	Reference
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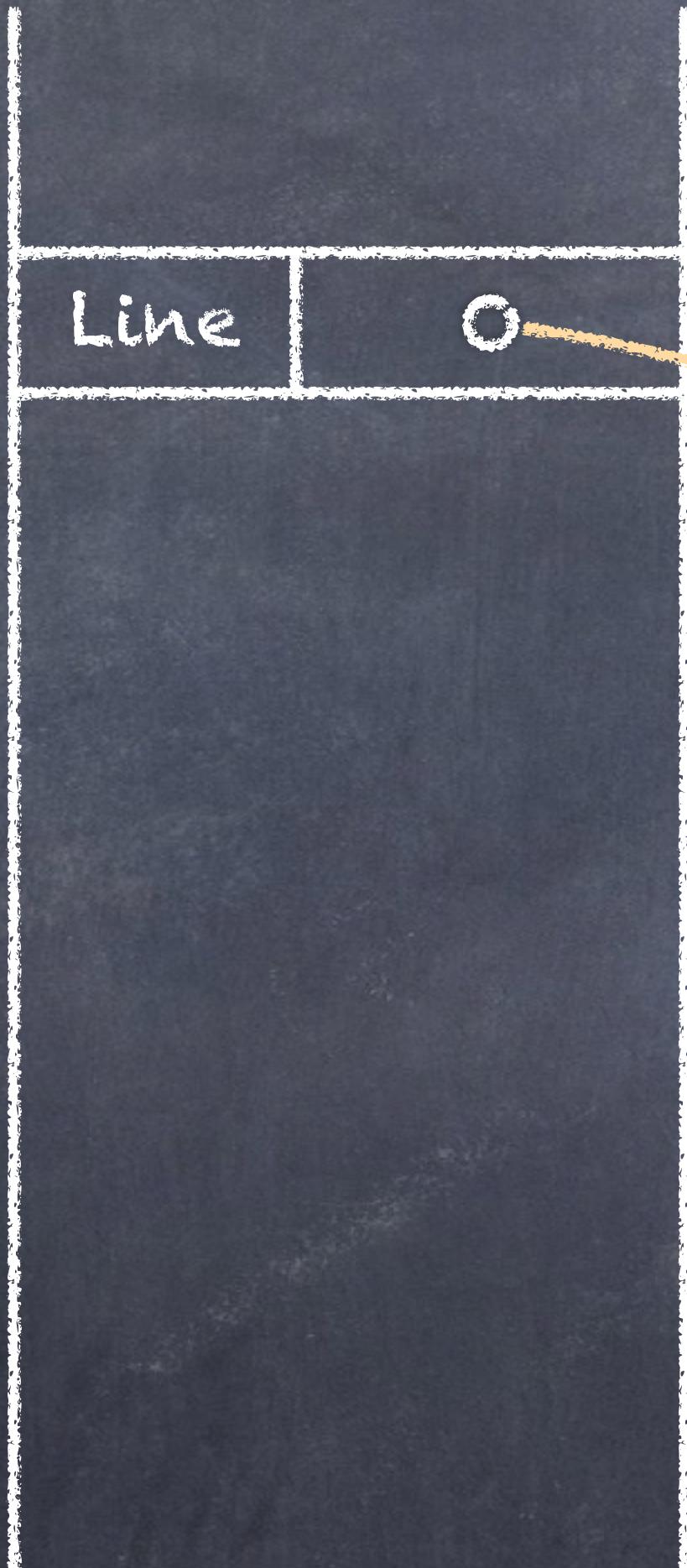
example:



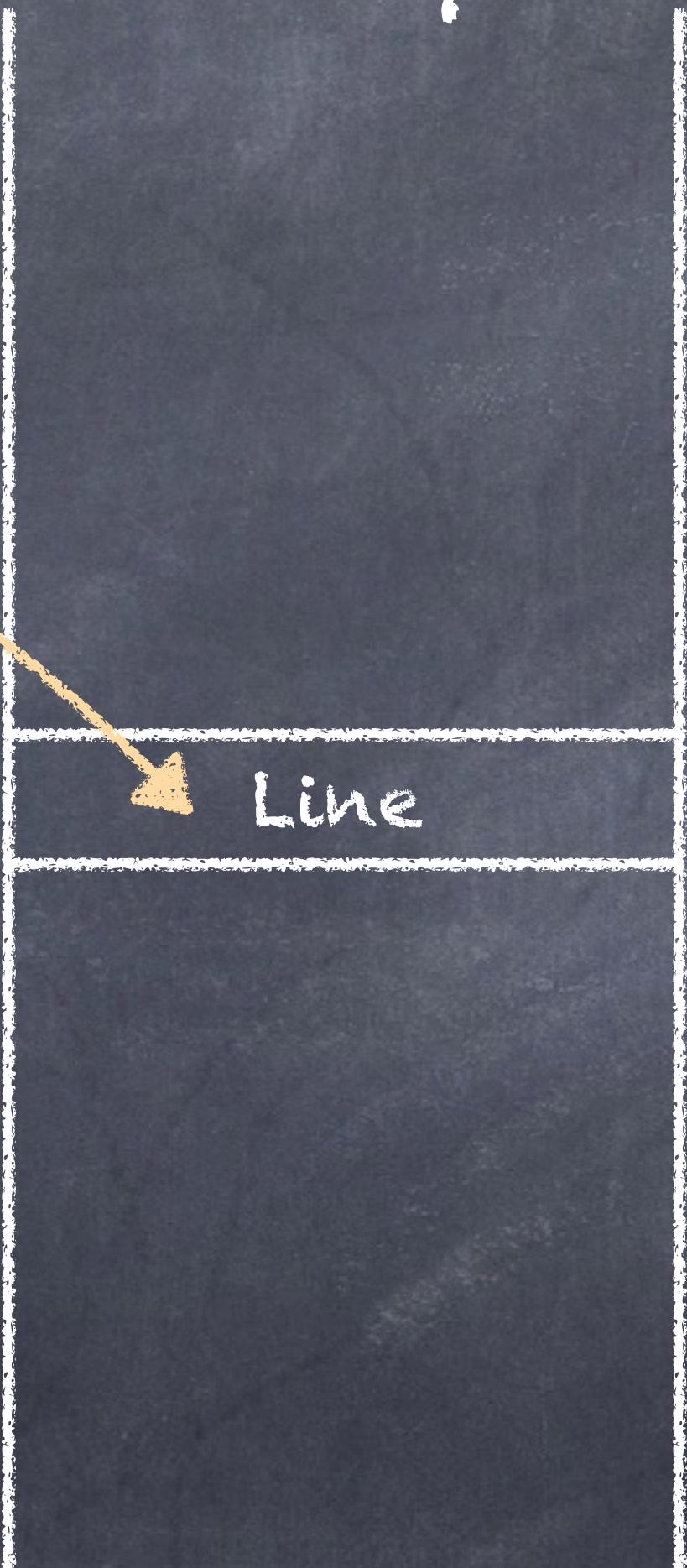
Stack



Stack



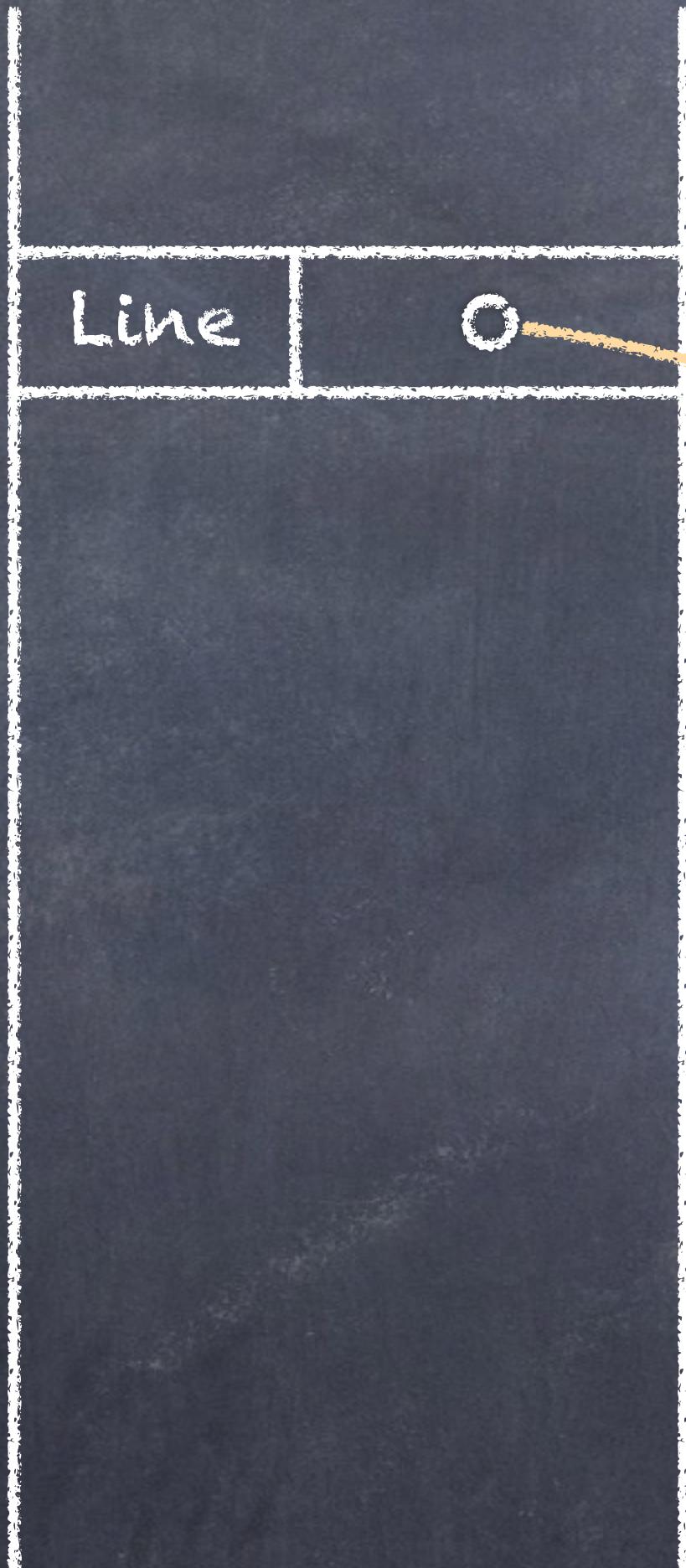
Heap



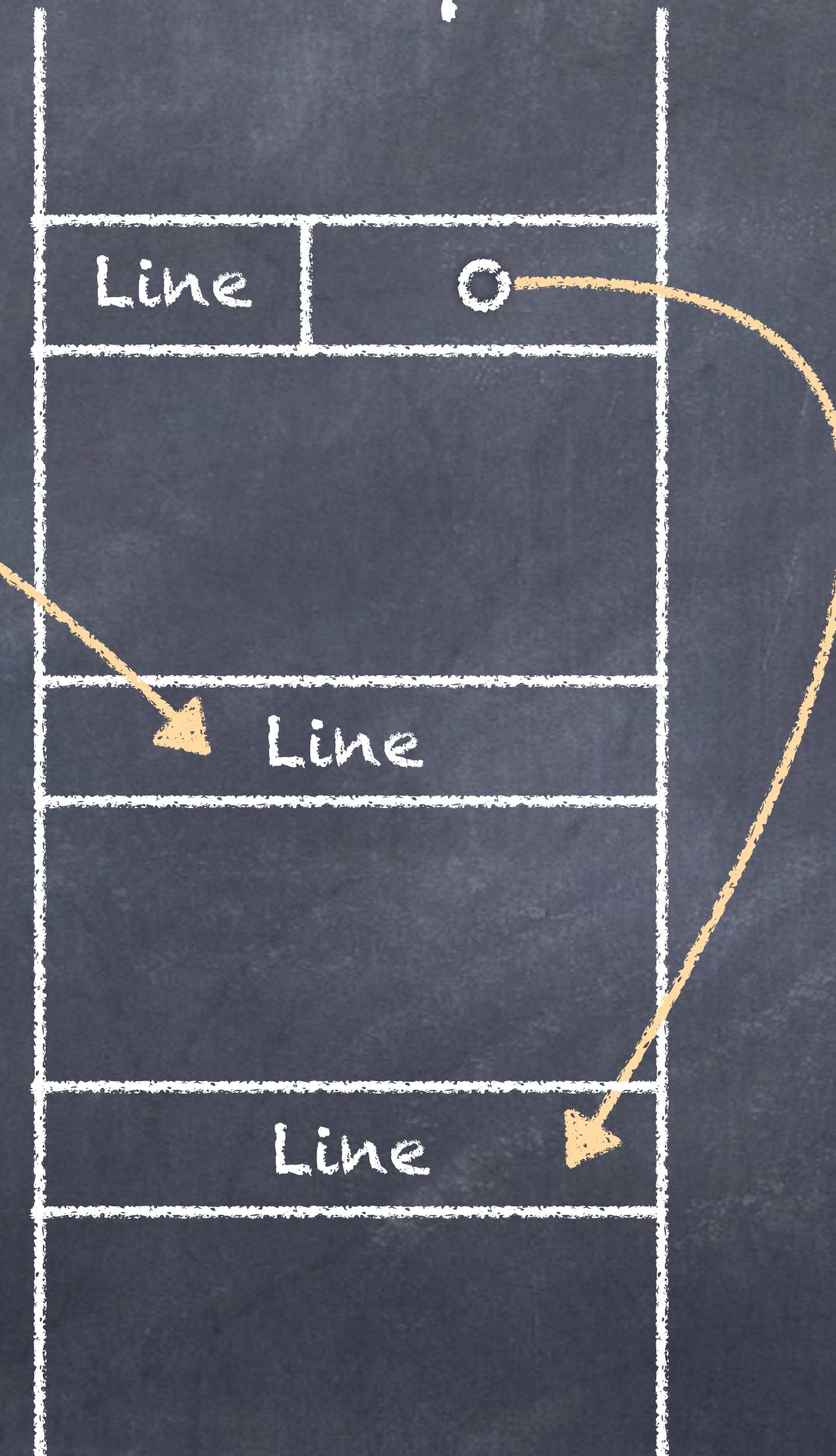
O

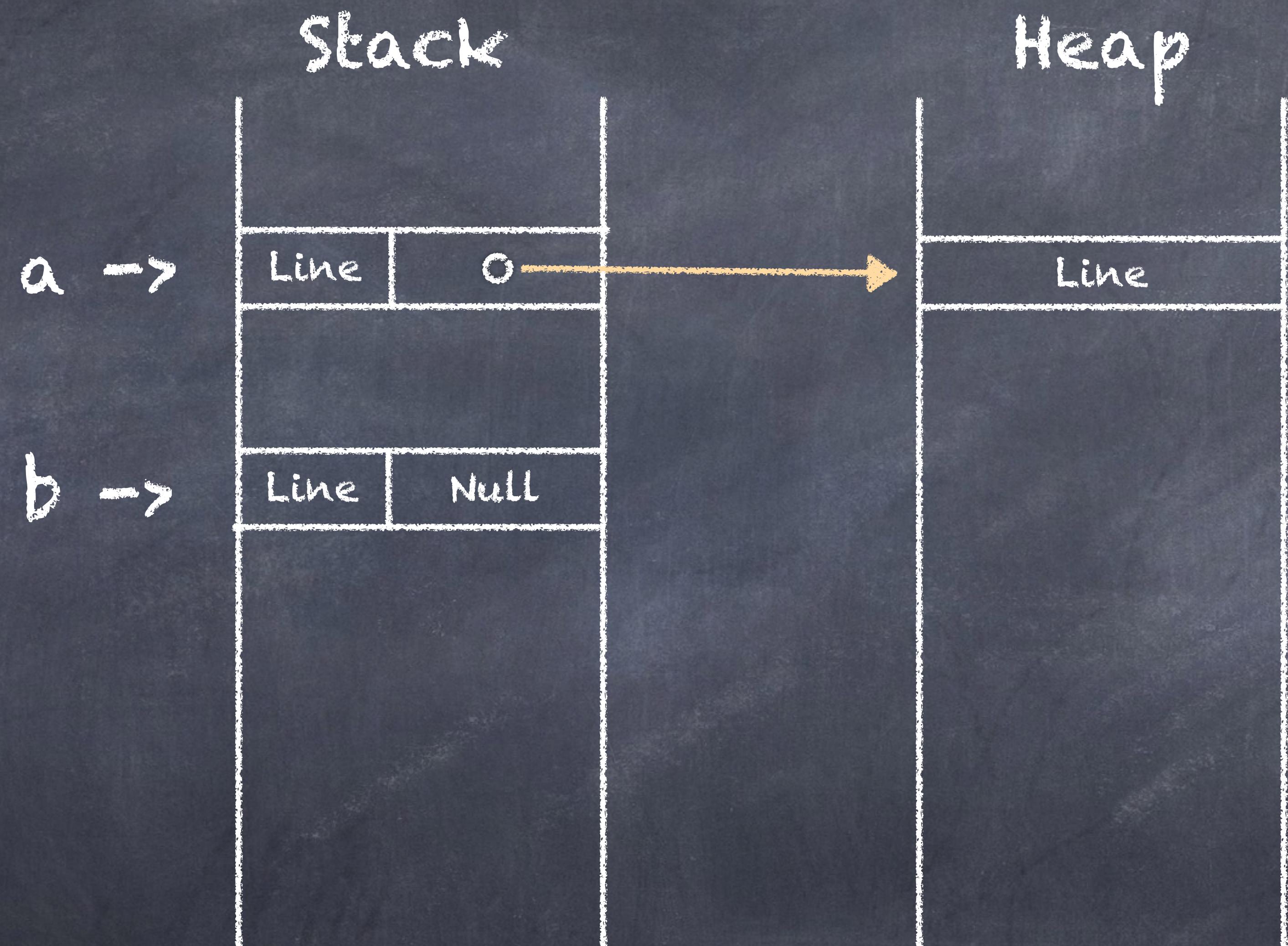
Line

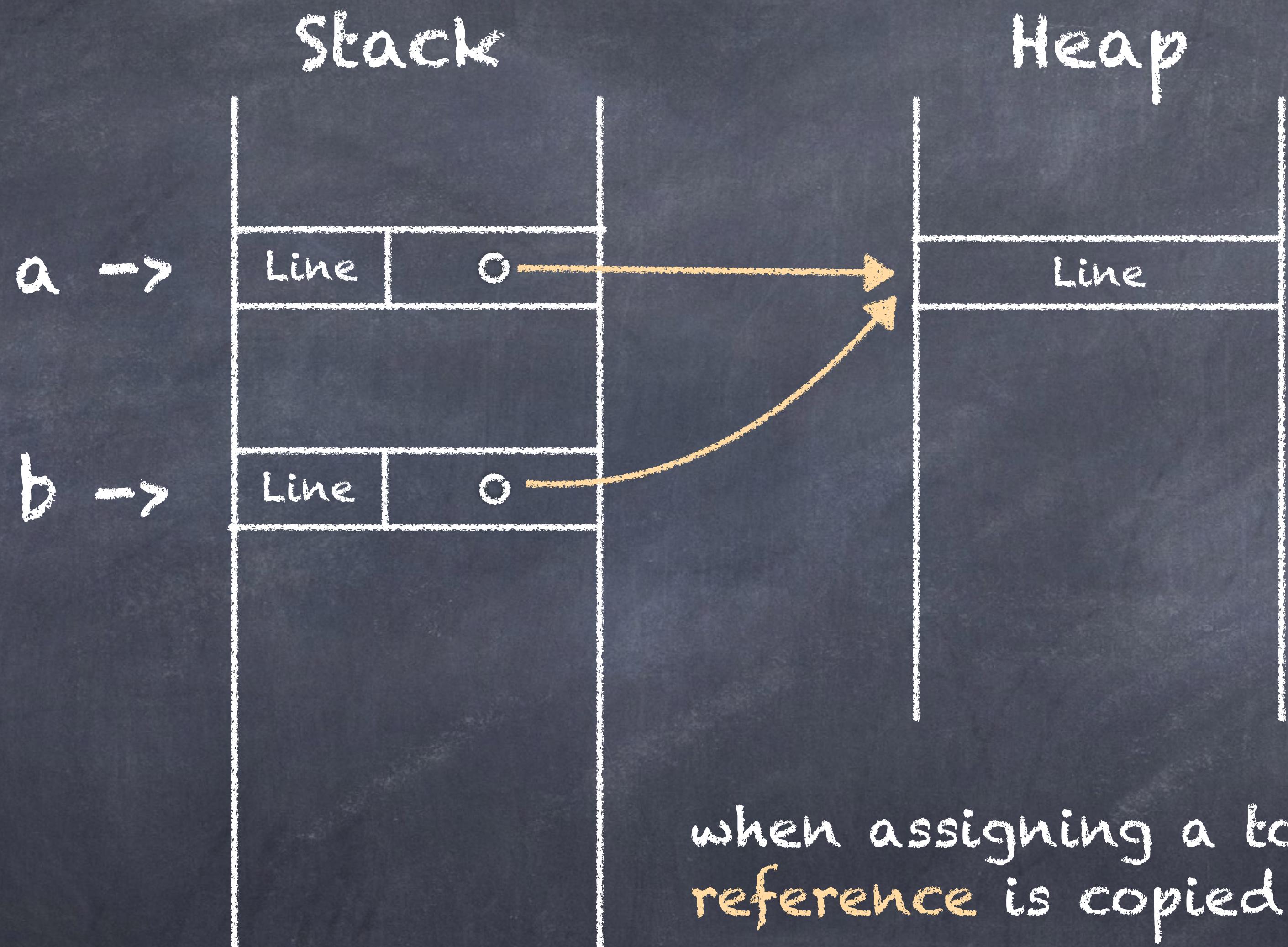
Stack



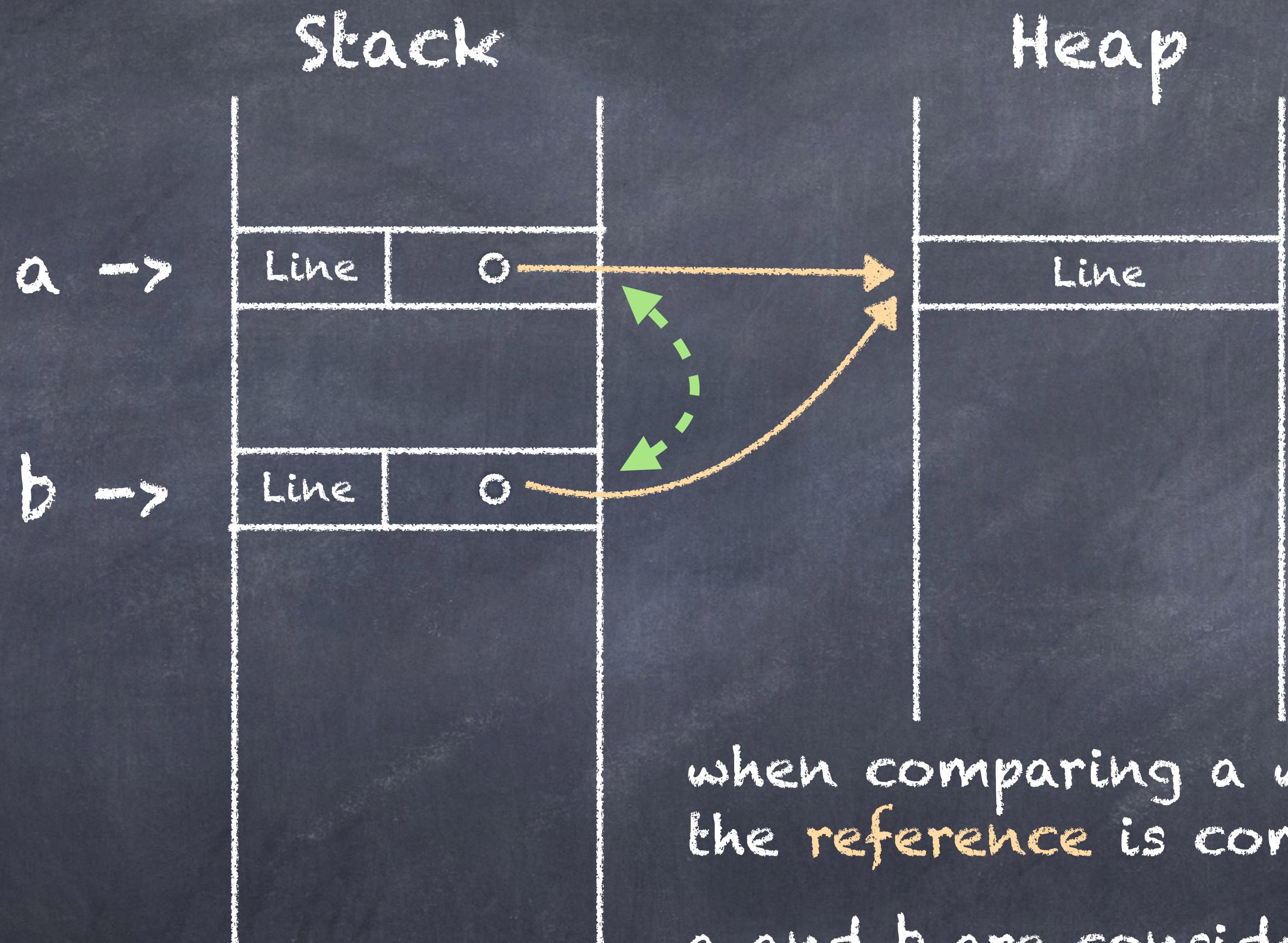
Heap





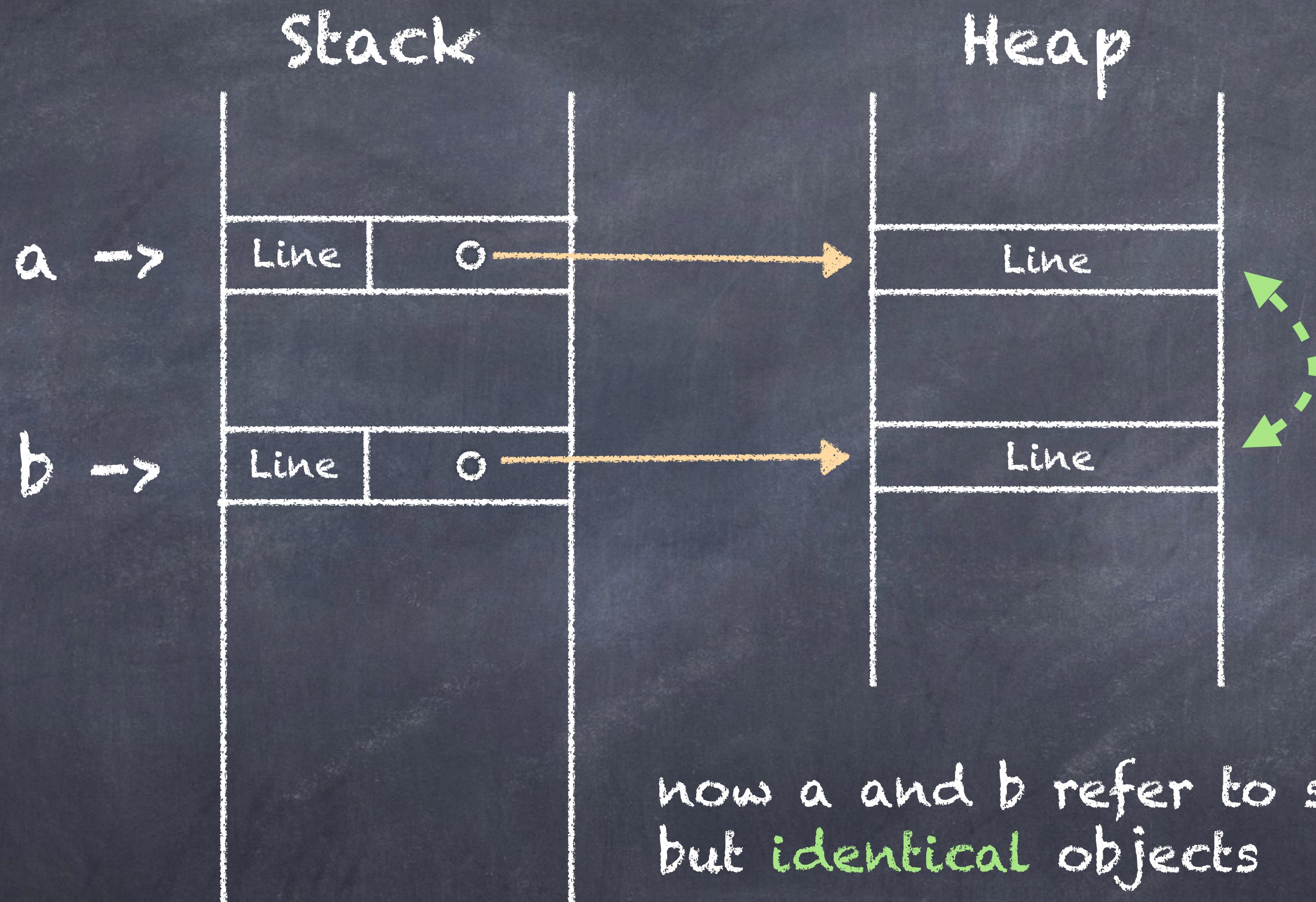


when assigning **a** to **b**, the
reference is copied into **b**.

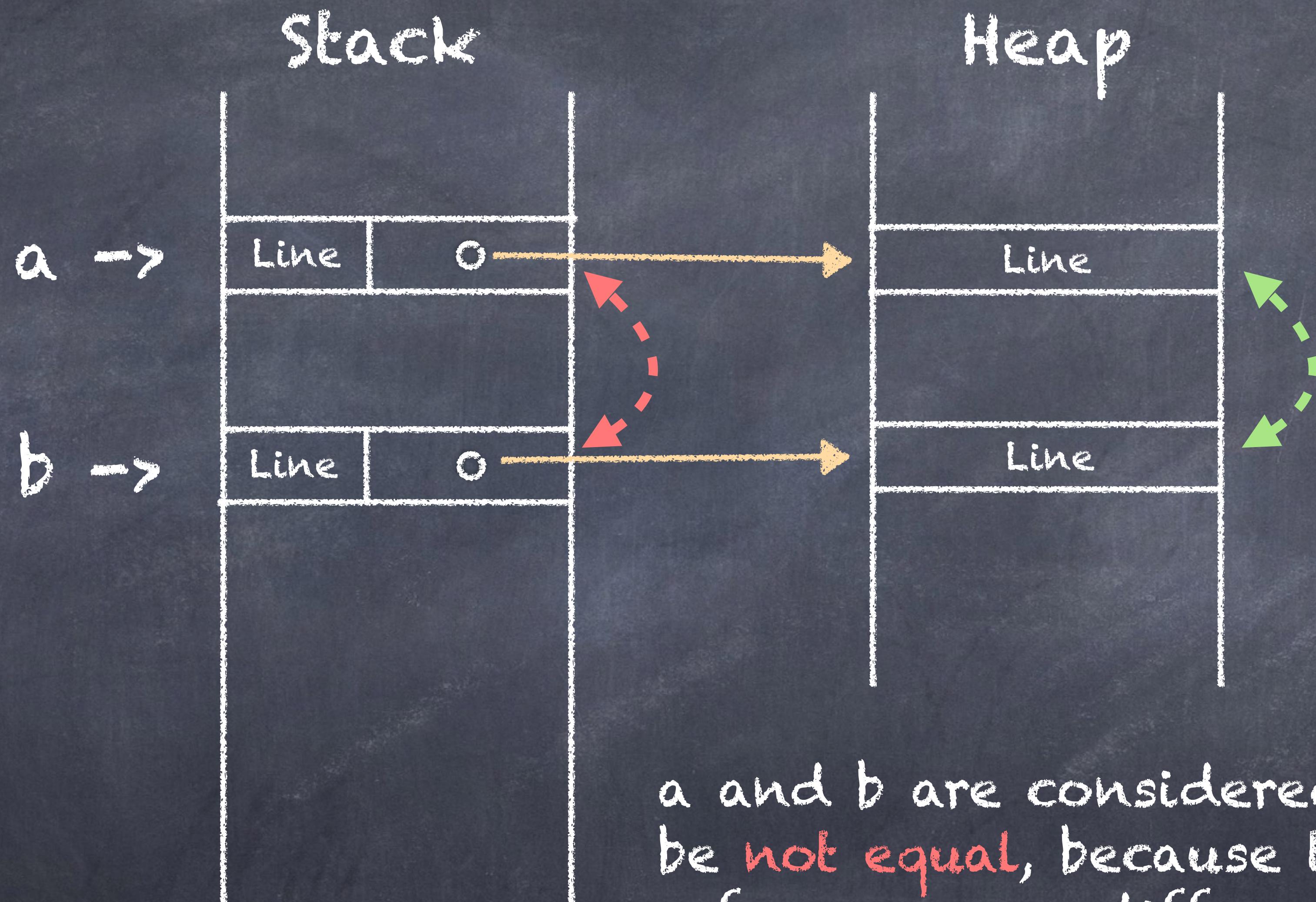


when comparing `a` with `b`,
the reference is compared.

`a` and `b` are considered to
be equal



now a and b refer to separate
but identical objects



a and b are considered to
be not equal, because the
references are different

Reference types

- Reference types can be set to null
- Reference type store a reference to a value on the heap
- Reference types can exist on the stack and the heap
- Reference types are assigned by reference
- Reference types are compared by reference