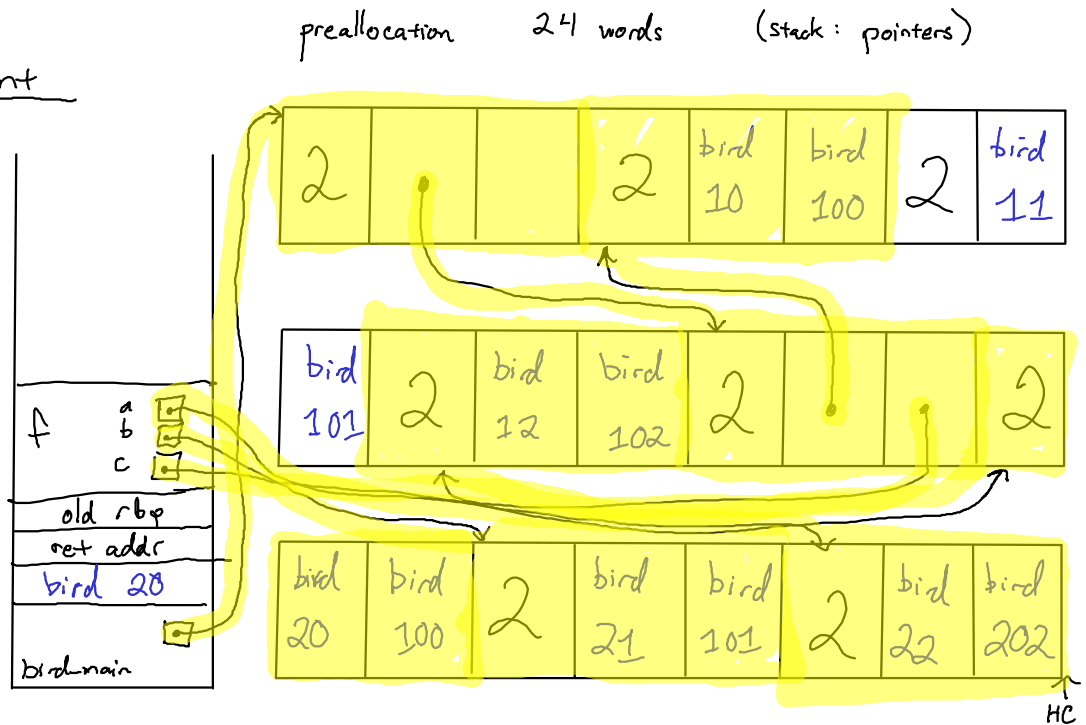


Memory Management

```
def f n =
  let a = (n, 100) in
  let b = (n+1, 101) in
  let c = (n+2, 102) in
  (a, c)
end
(f 10, f 20)
```



How can we handle wasted memory?

- a. ours
 - b. programmer
1. Maintain structure (organized by length) that tracks free memory (malloc)
 2. Compaction: moving all memory to left until no unallocated space until heap-cursor

The practice of interrupting when memory can be freed is called garbage collection.

"stop the world"

 $(4, 5)$

Invariant: when GC isn't running, all GC words must be 0

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