

```
(defn sample& [dist k]
  ;; Call the continuation with a sampled value
  (k (sample dist)))

(defn observe& [dist value k]
  ;; Block and wait for K calls to reach observe&
  ;; Compute weights
  ;; Use weights to subselect continuations to call
  ;; Call K sampled continuations (often multiple times)
  )

(defn predict& [label value k]
  ;; Store predict, and call continuation
  (store! label value)
  (k))
```