Recitation 20: Pramises Concurrency: Multiple computations at the same time. Spreadsheet resume calculating calculation renter# Promises Computation that promises to veturn a value in the future, Call backs Pramises in Lwt type a State = reader "primise" 1 Pending 1 Resolved of a I Failed of exh "resolver" only directly handled by library Exercises: use >>= and return to write (i) map: ('a _, 'b) -, 'a promise -, 'b promise (ii) apply: ('a - 1'b) pramise - 1 a pramise - 16 pramise let map f p = p > 7 =fun x -> return (fx) la promise la → 16 promise

Let apply
$$fp ap = ap >> = (Fun a \rightarrow (ia \rightarrow ib))$$
 return (fa)

(iii) map2: ('a - 6-1c) - 'a promise - bpromise - cpromise

(iv) jain: la promise list - la list promise

implementation?

filter (Cons (h, +)) = if p h then Cans (h, filter +)

else Filter +()