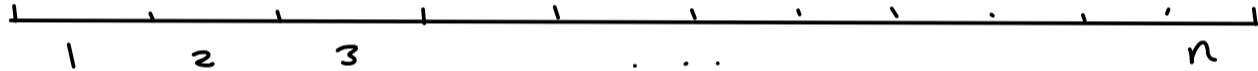


8/28/13

Simple production scheduling problem



Demand d_i per period must be met

Maximum inventory H

Cost of making CC is $C(x)$.

$f_r(i)$ = min. cost of production in periods
 $r, r+1, \dots, n$

$$= \min_{X \geq 0} \left\{ c(X) + f_{r+1}(i + X - d_r) \right\}$$

$$i + X - d_r \leq H$$

$$i + X - d_r \geq 0$$

$$f_{n+1}(i) = 0$$

