Exercise 1.1a: "One Peek Merge"

1 Algorithm 1

O non-deterministic: Output binput序列表:到达的先后顺序决定

@fair:输入序训根据FCFS规则被各并每个部分会在饥饿状态下

(2) Algorithm Z

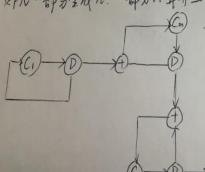
O determinastic: Output 才是由input 先后到达川应序决定

② fairnes unfair:在含年过程中,较龄到被处于机行致的状态,在等待一个较短序到

Exercise 1.16

Hints $f(n) = \frac{1}{2} \frac{(n+1)}{2} = 0 + (1 + 2 + \dots + n)$ { f(n) = 0 + f(n-1) + (n-1)

KPN一部分生成 n. 一部分计算并且存储 fun)



(A): imput相加

①:复制一个输入

①: 生成带数

①:接收进程

Exercise 1.2. a 2a-b=0. b-a=0 a-b=0. -a+b=0 $M = \begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix} rank(M) = 1$ $M = \begin{bmatrix} 2 & 1 \\ -1 & -1 \end{bmatrix} rank(M) = 2$. 10 rank (M) = n-1. rank (M)=n. to consistent. to inconsistent. -possible schedules: (BA) a. 1 b:1 Exercise 1.2.b

0 topological matrix

M=

0 1 -1 0 0 0 0

0 -1 1 0 0 0

0 0 1 -1 77 0

0 0 0 0 1 -1

0 0 0 0 -71 © M有547为の物行 rank(M)=5. : rank(M)=n-1 協 consistent @ number of firings Ruelle: 77 PCT: 77 Q: 77 RLC: 77 C: 1 R: 1