

```
PROCESS TYPE TDistr; (* distribution task *)  
  
ENTRY InitState(x, i : INTEGER);  
ENTRY TakeMessage(s : INTEGER);  
  
VAR state, ii, left, right : INTEGER;  
  
BEGIN  
  
(* initialize *)  
  
ACCEPT InitState(x, i : INTEGER) DO BEGIN  
    state := x;  
    ii := i;  
END;  
  
IF (ii = 1) THEN  
    left := n  
ELSE  
    left := ii - 1;  
  
right := (ii MOD n) + 1;  
  
(* main body *)  
  
REPEAT  
    TaskGcd[left].AcceptMessage(state);  
    TaskGcd[right].AcceptMessage(state);  
    SELECT  
        ACCEPT TakeMessage(s : INTEGER) DO state := s;  
    OR  
        TERMINATE;  
    END  
FOREVER;  
  
END; (* TDistr *)
```