

```

1 with text_io; use text_io;
2
3 procedure PrintNumbers is
4     package int_io is new integer_io(integer); use int_io;
5     low: constant integer := 1;
6     high: constant integer := 100;
7     offset: constant integer := 200;
8     batchSize: constant integer := 10;
9
10    task One is
11        entry start;
12    end One;
13
14    task Two is
15        entry print;
16    end Two;
17
18    task body One is
19        index: integer := low;
20        r: integer;
21    begin
22        accept start do
23            for i in 1 .. high * 2 loop
24                r := i mod (batchSize * 2);
25                if 0 < r and r <= batchSize then
26                    put(index);
27                    index := index + 1;
28                else
29                    Two.print;
30                end if;
31            end loop;
32        end start;
33    end One;
34
35    task body Two is
36    begin
37        for i in 1 .. high loop
38            accept print do
39                put(offset + i);
40            end print;
41        end loop;
42    end Two;
43
44    begin
45        One.start;
46    end PrintNumbers;
47

```