



































Ada Example	<pre>task buffer is entry insert (d : in bdata); entry remove (d : out bdata); end buffer; task body buffer is</pre>
	<pre>SIZE : constant integer := 10; subtype index is integer range 1SIZE; buf : array (index) of bdata; next_empty, next_full : index := 1; full_slots : integer range 0SIZE := 0;</pre>
	begin loop
	select
	<pre>when full_slots < SIZE => accept insert (d : in bdata) do buf(next_empty) := d; end;</pre>
	end; next_empty := next_empty mod SIZE + 1; full_slots := full_slots + 1;
	or
	when full_slots $> 0 =>$
	accept remove (d : out bdata) do
	<pre>d := buf(next_full);</pre>
	end;
	<pre>next_full := next_full mod SIZE + 1;</pre>
	<pre>full_slots := full_slots - 1;</pre>
	end select; end loop;
	end LOOP; end buffer;
	one buildt,
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