DOCUMENTATION

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2. -- Uwe R. Zimmer, Australia 2015

3. --

4.

5. package body Id_DispenserTo API docTo spec is

6.

7.    protected Dispenser is

8.

9.       procedure Draw_Id (Id : out ElementTo API docTo spec);

10.

11.    private

12.

13.       Next_Id      : ElementTo API d                    To API docTo
     spec'First;

14.       IDs_exhausted : Boolean := False;

15.

16.    end Dispenser;

17.

18.    protected body Dispenser is

19.

20.       procedure Draw_Id (Id : out ElementTo API docTo spec) is

21.

22.       begin

23.          if IDs_exhausted then

24.             raise Out_Of_IdsTo API docTo spec;

25.          else

26.             Id := Next_Id;
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27.            if Next_Id = ElementTo API docTo spec'Last then

28.                IDs_exhausted := True;

29.            else

30.                Next_Id := ElementTo API docTo spec'Succ (Next_Id);

31.            end if;

32.         end if;

33.      end Draw_IdTo specTo body;

34.

35.   end Dispenser;

36.

37.   function Draw_IdTo API docTo spec return ElementTo API docTo spec is

38.

39.      Unique_Id : ElementTo API docTo spec := ElementTo API docTo
   spec'Invalid_Value;

40.

41.   begin

42.      Dispe_____        d        );

43.      return Unique_Id;

44.   end Draw_IdTo API docTo specTo bod

45.

46.end Id_DispenserTo API docTo specTo body;
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