

```
1  (* Example 12.2 Defect marking *)  
2  
3  (* Copyright (c) 2011 Dogwood Valley Press, LLC *)  
4
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```
5 FUNCTION_BLOCK Mark_Def
6
7 VAR
8     P_Seal : BOOL := FALSE;
9     S_Done : BOOL;
10    St_Delay,
11    Pls_Tmr: TON;
12 END_VAR
13
14 BEGIN
15     IF NOT P_Seal THEN
16         IF ( (PDEFECT AND (NOT PROX5)) AND (NOT S_Done) ) THEN
17             P_Seal := TRUE;
18         END_IF;
19     ELSE
20         IF S_Done THEN P_Seal := FALSE;
21         END_IF;
22     END_IF;
23     St_Delay(IN:=P_Seal, PT:=T#5.5s);
24     SPRAY := St_Delay.Q;
25     Pls_Tmr(IN:=SPRAY, PT:=T#1s);
26     S_Done := Pls_Tmr.Q;
27 ;
28 END_FUNCTION_BLOCK
```