

```
' File: TB2SX1B.bas
' Abstract: One Restructured Basic Dual (Two-Step) Timer
' Revision: 0.1
' Author: Joe Stone
```

```
SYMBOL PROP1_OUT = 0
OUTPUT PROP1_OUT
SYMBOL prop1_step = BIT0
SYMBOL prop1_timer = B1
```

```
SYMBOL time = W5
SYMBOL prop = B13
```

```
HIGH PROP1_OUT
```

```
' *****
' ***** Begin Basic Dual Timer Block *****
' *****
```

```
PROP1:
```

```
prop1_timer = prop1_timer + 1
```

```
LOOKUP prop1_step, (10, 20), time
```

```
IF prop1_timer <= time THEN NEXT_PROP
```

```
prop1_timer = 1
```

```
TOGGLE PROP1_OUT
```

```
prop1_step = prop1_step + 1
```

```
GOTO NEXT_PROP
```

```
' *****
' ***** End Basic Dual Timer Block *****
' *****
```

```
TIME_DELAY:
```

```
PAUSE 1000
```

```
NEXT_PROP:
```

```
prop = prop + 1
```

```
branch prop, (PROP1, TIME_DELAY)
```

```
prop = 0
```

```
GOTO PROP1
```