

## Computer Programming

```
' {$STAMP BS2}
' {$PBASIC 2.5}
```

```
x VAR Word
decide VAR Bit
```

```
decide = 0
```

```
FOR x=1 TO 200
  PULSOUT 15,745
  PULSOUT 12,785
  PAUSE 20
```

```
  IF (IN9=1) THEN
    GOSUB check
  ENDIF
```

```
NEXT
```

```
GOSUB results
```

```
END
```

```
check:
```

```
  DO WHILE (IN9=1)
    PULSOUT 15, 745
    PULSOUT 12, 785
    PAUSE 20
```

```
  IF (IN11=0) THEN
    decide = 1
  ENDIF
  LOOP
RETURN
```

```
results:
```

```
  IF (decide=0) then
    DEBUG "The wire is cut. BAD!"
  ELSE
```

```
    DEBUG "Rail GOOD! Fire Ba-a-a-ad!!!"  
ENDIF  
RETURN
```