The Journal of Irreproducible Results

1. Start at point A end at point B
Try Again
Start at point A end at point C
what would you expect to be the value of | B-C| ?

2.What would happen to |B-C| if the magnitude of |B-A| were larger by a factor of two?

3. Will the type of surface have any effect on |B-A|?

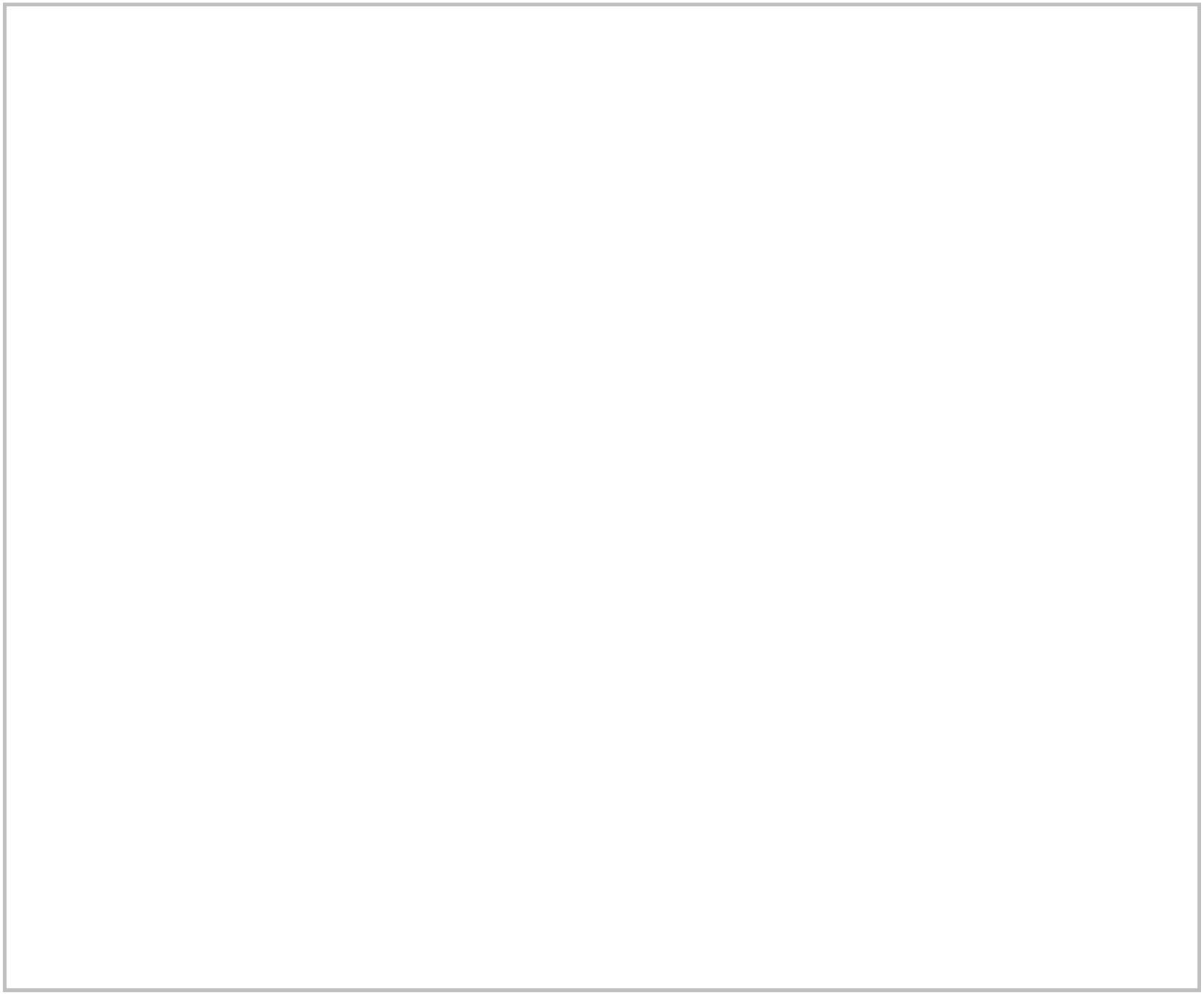
4. Would the age of the battery have any effect on |B-C|?

```
' {$STAMP BS2}
' {$PBASIC 2.5}
'Go and stop
pulseCount VAR Word
FREQOUT 4,2000,3000

'Full speed ahead
FOR pulseCount = 1 TO 175
PULSOUT 13,850
PULSOUT 12, 650
PAUSE 20
NEXT

'stop on a dime
FOR pulseCount = 1 TO 100
PULSOUT 13,750
PULSOUT 12, 750
PAUSE 20
NEXT
END
```

```
' {$STAMP BS2}
' {$PBASIC 2.5}
'Ramping
pulseCount VAR Word
FREQOUT 4,2000,3000
'Ramp up forward
FOR pulseCount = 1 TO 100
PULSOUT 13,750+pulseCount
PULSOUT 12, 750-pulseCount
PAUSE 20
NEXT
'continue forward
FOR pulseCount = 1 TO 75
PULSOUT 13, 850
PULSOUT 12, 650
PAUSE 20
NEXT
'ramp down to full stop
FOR pulseCount = 100 TO 1
PULSOUT 13,750+pulseCount
PULSOUT 12, 750-pulseCount
PAUSE 20
NEXT
END
```

```
' READ.BS2
' This program reads a string of data stored in EEPROM. The EEPROM data is
' downloaded to the BS2 at compile-time and remains there (even with the
' power off) until overwritten. Put ASCII characters into EEPROM, followed
' by 0, which will serve as the end-of-message marker.
' {$STAMP BS2}
' {$PBASIC 2.5}
 strAddr        VAR     Word
 char           VAR     Byte

Msg1            DATA    "BS2", CR, "EEPROM Storage!", 0
Main:
  strAddr = Msg1                    ' set to start of message
  GOSUB String_Out
  END
String_Out:
  DO
    READ strAddr, char              ' read byte from EEPROM
    strAddr = strAddr + 1           ' point to next character
    IF (char = 0) THEN EXIT             ' if 0, exit routine
    DEBUG char                      ' otherwise print char
  LOOP
  RETURN
```

```
' Read Data and Select Case used together
' {$STAMP BS2}
' {$PBASIC 2.5}
strAddr         VAR     Word
Move            VAR     Byte
Moves           DATA    "FFRFLBQ"
strAddr = Moves
Main:
DO
  READ strAddr, Move
  strAddr = strAddr + 1
SELECT Move
  CASE "F"
    GOSUB Forward
  CASE "B"
    GOSUB Back
  CASE "R"
    GOSUB Right
  CASE "L"
    GOSUB Left
  CASE "Q"
    DEBUG "I see a Q  "
ENDSELECT
LOOP  UNTIL (Move = "Q")
DEBUG"That is the end!"
END
Forward:
DEBUG "moving forward",CR
RETURN
Back:
DEBUG "moving back",CR
RETURN
Right:
DEBUG "Moving Right",CR
RETURN
Left:
DEBUG "Moving left", CR
RETURN
```



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