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001  ` Basketball Counter 14M2 (Select Case) Jonathan McMahon for Pat McMahon as
of 8/10/14.
002  `NOTE- The microswitch is connected to C.3 and to positive(+)
003  `Important-You must have two 10k pull down resistors, one between
Negative(-) & C.3
004  `and one on one of the legs of the microswitch,
005  `otherwise it will count up by itself, automatically.
006
007  symbol microswitch = pinC.3
008  symbol counter = w1
009
010  counter = 0
011  goto updatedisplay
012
013  main:
014
015  if microswitch = 1 then      ` button has been pushed
016      counter = counter + 1
017  if counter > 9 then      `If gets to 9, then goes to 0
018      counter = 0
019      endif
020
021  updatedisplay:
022  select counter      ` sets the outputs
023
024  case 0
025      high 0      `a on
026      high 1      `b on
027      high 2      `c on
028      high 3      `d on
029      high 4      `e on
030      high 5      `f on
031      low c.0      `g off
032  case 1
033      low 0      `a off
034      high 1      `b on
035      high 2      `c on
036      low 3      `d off
037      low 4      `e off
038      low 5      `f off
039      low c.0      `g off
040  case 2
041      high 0      `a on
042      high 1      `b on
043      low 2      `c off
044      high 3      `d on
045      high 4      `e on
046      low 5      `f off
047      high c.0      `g on
048  case 3
049      high 0      `a on
050      high 1      `b on
051      high 2      `c on
052      high 3      `d on
053      low 4      `e off
054      low 5      `f off
055      high c.0      `g on
056  case 4
057      low 0      `a off
058      high 1      `b on
059      high 2      `c on

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060         low 3      `d off
061         low 4      `e off
062         high 5     `f on
063         high c.0   `g on
064     case 5
065         high 0     `a on
066         low 1      `b off
067         high 2     `c on
068         high 3     `d on
069         low 4      `e off
070         high 5     `f on
071         high c.0   `g on
072     case 6
073         high 0     `a on
074         low 1      `b off
075         high 2     `c on
076         high 3     `d on
077         high 4     `e on
078         high 5     `f on
079         high c.0   `g on
080     case 7
081         high 0     `a on
082         high 1     `b on
083         high 2     `c on
084         low 3      `d off
085         low 4      `e off
086         low 5      `f off
087         low c.0    `g off
088     case 8
089         high 0     `a on
090         high 1     `b on
091         high 2     `c on
092         high 3     `d on
093         high 4     `e on
094         high 5     `f on
095         high c.0   `g on
096     case 9
097         high 0     `a on
098         high 1     `b on
099         high 2     `c on
100        low 3      `d off
101        low 4      `e off
102        high 5     `f on
103        high c.0   `g on
104        endselect
105
106        pause 4000  ' Wait a predefined period for the spring switch to
settle
107        endif
108        goto main
109
110
111

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