**The Expandable Forced Matrix**

The above drawing shows what a full 3 X 3 Matrix would look like and the order in which it would be filled. Once the 3 X 3 Matrix is filled, the number 40th person would go back on level 1 just to the right of Number 7.

Notice that the computer first built a 2 X 2. There were 2 people on level 1 and 2 people under each of those level 1 positions…total of 6 people. After the 2 X 2 was full, it expanded the Matrix to 3 wide putting number 7 up on level 1.

The computer builds evenly from left to right filling in all the positions and building a 3 X 3 Matrix. Once the 3 X 3 Matrix is full, it will expand the Matrix to 4 wide by putting number 40 up on level 1.

The computer will start building a 4 X 4 Matrix by putting people evenly under each position building left to right. This process continues and each time a Matrix is full, it will then expand to the next size up…unlimited width, 5 levels deep.

1

3

7

**39**

**30**

**33**

**24**

**14**

**37**

**23**

111

**26**

**34**

**19**

**25**

**38**

**29**

**20**

**15**

**21**

**27**

**28**

**36**

**16**

**13**

**22**

**31**

2

12

9

**18**

8

**35**

**17**

**32**

6

4

5

10

**You**