HHC 2010 Programming Contest: Pascal's Triangle

```
          1
        1   1
      1   2   1
    1   3   3   1
  1   4   6   4   1
```
etc.

Every number in Pascal's Triangle (other than the 1's) is the sum of the two numbers above it. The top row (with the lone 1 in it) is called row 0, and each row's outer numbers are defined as 1's. Therefore row 4 can be expressed as the list {1 4 6 4 1}; row 5 is {1 5 10 10 5 1}, and so on.

Programming Contest: Write an RPL program that generates row x of Pascal's Triangle as a list of integers as shown above. x may be assumed to be any integer 1 or greater. The shortest program wins.

Rules: The output must be integers as shown above, not reals. Every entry must be a single stand-alone standard User-RPL-only program having no calls to external libraries, or stripped off program delimiters, or any other monkey business. Embedding commands in strings followed by OBJ→ or STR→ is not allowed, for the sole reason that it's a lame way of saving bytes. This is a competition between individuals, not teams, so be sure to work alone and keep your code secret until the deadline. The deadline will be announced at the beginning of the conference. Submit your program to Joe Horn by beaming it into his HP 50g any time before the deadline. To prevent confusion, name your program the initials of your entire name. In case of a tie, the winner will be the most elegant or clever solution, at the discretion of the contest judge. In case the tied programs are identical, the winner will be chosen by the HP 50g's RAND function. The decision of the contest judge will be final.

Happy Programming!