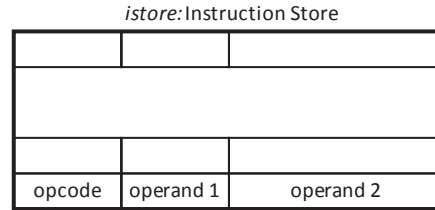Figure 1. Anatomy of a P-Code Instruction

Figure 2. P-Code Instruction Array

- The Program Counter, PC, register holds the index of the next instruction to be executed.
- Unconditional Jump, UJP, False Jump, FJP, and True Jump, TJP, operands are all indexes of the P-Code Instruction Array.

Instruction Classes	Difficulty
Opcode-only Instructions	These instructions are the easiest to form. Only the opcode is assigned to the instruction. Operands 1 and 2 are both assigned zero values. These instructions include: adi, sbi, ngi, mpi, dvi, mod, abi, sqi, adr, sbr, ngr, mpr, dvr, abr, sqr, ior, and, xor, not, inn, uni, int, dif, cmp, sgs, flt, flo, trc, rnd, chr, ord, stp.
Type Instructions	These instructions are also simple to form. The opcode is assigned in the same way as the opcode-only instructions. Operand 1 is assigned a type code. Operand 2 is assigned a value of zero. These instructions include: rtn, equ, neq, grt, geq, les, leq, ldi, sti, inc, dec. Types include p, a, b, c, i, r, s, t