**Exercise:** a procedure to sort the 32 cards below, a digit at a time, from right to left. Assume they form a deck in random order. All facing the same way (top right corner cut matches)

Start with digit E: insert a rod/pencil in all cards E hole, then lift the pencil: the cards sticking are the ones with a 0 hole, the other are the ones with a 1 hole. Grab the sticking ones and put them in the front of the non-sticking ones. Repeat for digit D, then C, then B, then A. Now the cards are sorted.

Discuss at recitation. For Extra Credit, write up the explanation/solution (1 page max) to this exercise, submit on paper with your name and date on it.
**Exercise:** solve a logic problem. Given that the following statements are all true, who is watching TV?

1. If Abner is watching television, so is his wife Beryl
2. Either Dale or Ellsworth, or both of them, are watching television.
3. Either Beryl or Cleo, but not both, is watching television.
4. Dale and Cleo are either both watching or both not watching television.
5. If Ellsworth is watching television, then Abner and Dale are also watching.

Explain how to solve this problem with the 32 cards. Discuss at recitation. For Extra Credit, write up the solution (1 page max) to this exercise, submit on paper with your name and date on it.