

Advanced Automated Engineering Division

Hot Dog Machine

Construct a fully automated machine which:

- **Cooks four individual (standard) hot dogs**
- **Places each hot dog in a bun**
- **Delivers three different condiments (catsup, mustard, and relish) to the hot dogs**
- **Two hot dogs must have a combination of two different condiments**
- **One hot dog must have three different condiments**
- **One hot dog will have one condiment**
- **Machine will do all the above functions non stop after pushing the start button**
- **Hot dogs will terminate on a 10'' x 10'' plate each hot dog placed side by side**