Evolution

- A distributed search for most effective machine in current environment
- environment varies over time and space
- machine is decomposable
- supperior machine "parts" are distributed over population at exponent rate
- machine population is many and destribd over environment
- machine sub components are hierarch structured such that recombination works
- Limits exist on machine complexity and environment complexity... searches above 100 bits cant be converged
- Search is highly efficient in response to high cost of info exchange and trials
- Selective recombination searches different combinations of sub components
  - SR introduces same mutation in sub components at the cut point below the level of hierarchy. mutation is similar
- maximal trial of sub components