The diagram illustrates a generational process involving the following steps:

1. **Generation k**:
   - **Elite Individuals**: A subset of the population that is copied to the next generation.
   - **Non-elite Individuals**: The remaining population.
   - **Crossover**: The process that combines traits from elite and non-elite individuals.

2. **Generation k+1**:
   - **Copied Individuals**: The copied elite individuals.
   - **Children**: offspring resulting from the crossover.
   - **Mutants**: Individuals created through mutation.

The population is divided into:

- **pe**: Elite population size.
- **p**: Total population size.
- **p - pe - pm**: Remaining population after elite and mutants are copied.
- **pm**: Mutant population size.

The flow is from generation to generation, with the elite individuals copied to the next generation, followed by crossover to create children, and then the addition of mutants to form the next generation.