# Iterative Algorithms

## Code structure

Begin routine

<pre condition>

<pre loop>

loop

<loop invariant>

exit when <exit condition>

code

end loop

<post loop>

<post condition>

End routine

|  |  |  |
| --- | --- | --- |
| Prepre condition | Wh make sure legal input instances |  |
| Prepre loop code |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Explanation

## Steps for algorithm construction