

HW 5

1. C
  2.  $n - 1$
  - 3.
1. Connected component:  $\{1, 4, 5, 7, 8, 6\}$
  2. In-component:  $\{3, 5, 6, 8, 7, 4\}$
  3. Out-component:  $\{2, 4, 5, 6, 7, 8, 9, 10, 11\}$