TUTORIAL SHEET 21
SIMPLES, INDECOMPOSABLES, PIMS,
VERTICES AND SOURCES FOR CYCLIC GROUPS

Let k be an algebraically closed field of positive characteristic, G a finite group, and kG the group ring of G with coefficients in k.

Assume that G is cyclic, and

(1) determine simples, indecomposables, and PIMs for kG.

(2) find vertices and sources for all indecomposables.