

Math 527 - Homotopy Theory
Spring 2013
Homework 11, Lecture 4/3

Problem 2. Let X be a path-connected CW complex and G a group. Show that the map

$$\pi_1 : [X, K(G, 1)]_* \rightarrow \text{Hom}_{\mathbf{Grp}}(\pi_1(X), G)$$

is a bijection.

Remark. Feel free to refer to arguments used in § 2 of the notes from 5/29. No need to reprove everything.