

HW 2: due Tues, September 20th

1. In class we defined an edge cover U to be a subset of vertices of G so that any edge in G has at least one of its endpoints in the set U . For each integer k , give an example graph G where the gap between the size of the minimum edge cover in G and the size of the maximum matching in G is k .
2. Read Chapter 2 of the text
3. Do the following problems from the text: 2.11, 2.16, 2.20, 2.25, 2.35, 2.36
4. Extra credit: 2.29 – 2.32.