

2007 Spring CS204 Homework #9

1. Find the number of edges in the n -dimensional Hypercube, using recurrence relation.
2. Let $e(n)$ = number of edges in the n -dimensional Hypercube.
Find a generating function for the series e .
3. Show that in every simple graph there is a path from any vertex of odd degree to some other vertex of odd degree (Exercise 9.4.28)