Problem of the Week-5: Making Change

In how many different ways can you make 50 cents using pennies, nickels, dimes, and quarters? For example, 2 quarters is one way, 4 dimes and 2 nickels is another

As always, explain and justify your answer.

Posting Date 10/25/11. Submit solutions to Noah Aydin, Mathematics Department, RBH 319 (e-mail or hard-copy, but hard copy submissions must include a time stamp) by 4 pm on 11/04/11.