/\*

\*pre: list != null

\*post: prints out the indices and values of all pairs of numbers

\*in list such that list[a] + list[b] = target

\*/

public static void findAndPrintPairs(int[] list, int target)

{ assert list != null : "failed precondition";

for(int i = 0; i < list.length; i++)

{ for(int j = i + 1; j < list.length; j++)

{ if(list[i] + list[j] == target)

{ System.out.println("The two elements at indices " + i + " and " + j

+ " are " + list[i] + " and " + list[j] + " add up to " + target);

}

}

}

}