Transpose:

Space complexity:

Require each one memory for cols rows terms : 3

Require (cols+term) to store smArray this array: (cols+term)

Require one memory for b:1

Total:4+(cols+term)

The space complexity is O(cols+term)

Fasttranspose:

Space complexity:

Require each one memory for cols rows terms : 3

Require each cols to store rowSize and rowStart : 2\*cols

Require (cols+term) to store smArray this array: (cols+term)

Require one memory for b:1

Total : 5+3\*cols+term

The space complexity is O(cols+term)

心得:此次作業學習如何使用C++來時做課本上的範例，除了讓我對原本不是很熟的pointer有更多的練習，再寫程式前把第二章先看了一遍，對更了解書上的內容和體認array在資結中的重要性。