In this code firstly i tried to allocate a memory with using malloc() with the size of 15680*4Byte=62720B. But the pointer that holds its fist memory adress was null.Then, i tried to make its size 1000 and i realized that it works.But i did not selecet that way.

After that, I divide the 15680 weigthes into 20 spices.In every 20 function i send them to the ip core and the code worked.

After that, I increased the stack size of memory in the lscript.ld folder with the size of 15680*4Byte=6270. I pick the 6300 number and its hexadecimal value is 0xF618.After this changes on memory stack size the code it worked without the need to use malloc.

The output of the two solution(dividing weightes into 20 parts and increasing memory stack size) is the same.