Algorithm create_TM_SubGraph(possible_TM_Motifs, aS) :

Input: possible_TM_Motifs as list consisting of all possible 'TM' motifs,
aS declares the size of a motif-architecture / number of immediately consecutive motifs
Output: Graph

SET Graph;

for all elements in possible_TM_Motifs **do**

Recursive analysing of immediately consecutive motifs by updating composite pattern.
Traversing and returning all possible paths with size of motif-architecture == aS;

for all possible paths as representable motif-architecture **do**
Insert or update each motif as node out of the current motif-architecture in Graph
Update edges weightiness possibly