```
"The following command calls the Combinatorica
   package included in Mathematica 5.0 and more recent versions";

<< DiscreteMath`Combinatorica`

"Using the following command the correlation
   matrix can be imported from a txt format file: " rho.txt ".
With the command Directory[] you can see the current working directory.
   The rho.txt file should be there. The command SetDirectory["
 path "] sets the working directory.";

rho = Import["rho.txt", "Table"];

n = Dimensions[rho][[1]]

"The ordered link list S_ord (rholistSort) can be constructed with the following list
  of instructions. The list is sorted
   in descending order of correlation coefficients.";

rholist = {}

Do[rholist = Append[rholist, {rho[[i, j]], i, j}], {i, 1, n - 1}, {j, i + 1, n}]

rholistSort = Sort[rholist];

rholistSort = Reverse[rholistSort];

dd = Dimensions[rholistSort];

"The following set of instructions is the kernel of the construction alghoritm of
   the PMFG. The output matrix Aij is the adjacency matrix of the PMFG.";

Aij = Table[0, {i, 1, n}, {j, 1, n}];

control = 0;

For[t = 1, t ≤ dd[[1]],
 t++, If[control ≤ 3 (n - 2) - 1,
  {i = rholistSort[[t, 2]],
   j = rholistSort[[t, 3]],
   Aij[[i, j]] = 1,
   Aij[[j, i]] = 1,
   If[PlanarQ[FromAdjacencyMatrix[Aij]] == False,
    {Aij[[i, j]] = 0,
     Aij[[j, i]] = 0}, control = control + 1]
  }]]

"Aij can be exported in txt fomat with following instruction.";

Export["adjPMFG.txt", Aij, "Table"]
```