1. Define a metrix Y which is not be

Yet = { 1 if i in set b

O otherwise.

Let X = YYT.

The X is famille a the 3DP, and it is wij Kij is equal to the value of the partion.

Two possible chains:

(A) Choose vertex that has no neighbour already selected and that has maximum weight

(B) Choose vertex that has no neighbour already selected and that maximizes the satio weight of vertex weight of all neighbours

that could still be chosen

Eg: randomly pick on of the best 5 choices.

Eg: randomly pick as choice within 20% of best greedy choice.

Le Eg: valid solution are packings, so never have any violeted constraints.

Neighbours any packing that can be obtained by deleting at most one vertex from the current packing

Tabu criteria: an added vetex cannot be dropped for 2 mover. a dropped vetex cannot be added for 2 mover.