answer: We consider this question as a graph.
We add a vertex as the source of water.
then we have N+1 vertexs
and N2 + N edges.
N' edges stand for method that drink water from other farmland.
the weight of this edge between i and j is Pij
N edges stand for the method that build a reservoir of land.
the weight of a edge between iblock and water source is Wi
thus calculating minimal required price is equivalent to
find a minimum spanning tree for the graph above.
So, I use kruskal algorithm. the sum of weight for this minimum
spanning tree is the minimal required price.
time complexity we have NtN edges and Nt1 vertexs.
time complexity for kruskal algorithm is OCE(ogV)
thus time complexity: $O((N^2 + N) \log N) = O(N^2 \log N)$