

CS 373

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HW 1



①

Trees have no cycles but must be connected.
Tournaments are cliques with their edges directed.
Hamilton circuits, Eulerian paths,
These are a few of my favorite graphs.

Matchings and bicliques and blossoms and buses,
Kempe chains, hypercubes, forests, and faces,
AKS networks that split into halves,
These are a few of my favorite graphs.

Short paths of co-authors leading to Erdos,
Large neural networks that translate from Kurdish,
Finite projective planes - they make me laugh,
These are a few of my favorite graphs.

Chorus: Propositions, corollaries,
Problems that are starred,
I simply remember my favorite graphs
And then they don't seem so hard.

If there's no K_5 or $K_{3,3}$ minor,
Old Kuratowski says it'll be 'plino'.
Four's enough colors if there are no gaffes!
These are a few of my favorite graphs.

Quadrangles, thrackles, and triangulations,
Minor-closed families and sparsifications,
Voronoi diagrams found on giraffes,
These are a few of my favorite graphs.

Chorus: Propositions, corollaries,
When they're just too deep,
I simply remember my favorite graphs
And then I go right to sleep.

Look! I
minimized
the zlop of
my favourite
graph song!



2.

Mamma always said!

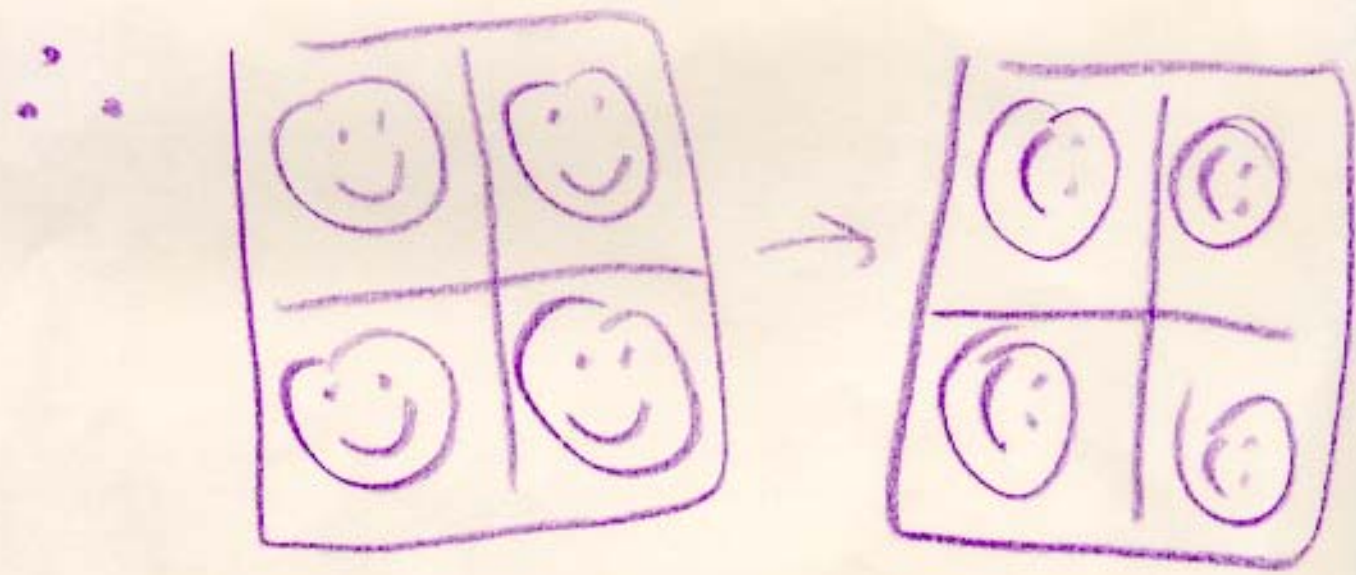
Stupid is as stupid does.

My name
is Clifford.
I'm a
big red
dog.



3. This problem is the work of Satan. It is very scary, I was too afraid to do it.
Sorry.

4. I betcha that:



QED.

5. I am running this algorithm with MGD. Will report results...

much beer drinking
more analysis needed

in lgn is like a cheese log
I'm hungry, call it

thus is funny

beer.