



MCP.

pick a 2c

path = 1x...

while |path| < |x|

pick wex| path,

append w to path

Calculate 8= f(xo,xi) -- in path, determin Sele

S=f(x0,x1)\*...\* f(xn,x0)

HCPSP MCP

3. MCP is also MPC.

HCP p-time reduce to MCP

So HCP connects a graph, the limitation being if a edge belongs to E MCP gurantees any edge, but the limitation being the mutliplication sum

Assume HCP G(V,E), for every edge in E, convert its weight to 1 for every edge not in E, convert its weight to 2 MCP(G', 1)