

**CMSC 652 HW 8-WRITTEN Due Apr 3**

(You have LOTS of time to do this because of spring break. If you hand it in late it better be the case that your cat needed a CAT-scan.)

1. (50 points-Written) Let  $S$  be a sparse set. Show that if  $LSAT \leq_{(k+1)-tt} S$  then  $LSAT \leq_{k-tt} S$ .
2. (50 points-Oral) Teach me whatever Mohammad teaches you. We'll figure out when this is due later, but it WILL NOT be due April 3.

APRIL 3 WILL BE THE  $NSPACE(\log n)$  CLOSED UNDER COMP ORAL HW. USUAL GROUPS, USUAL TIMES.

Th 10-11: (EMILY GROUP) Jesse M, Emily H, Yi Q,

Th 11:00-12:00 (LEO GROUP) Casey M, Leo F, Hoseein E.

3:30-5:00 (ILSE GROUP) Bahadir O, Ahmed A, Ilse H

If you cannot meet at this time then email me ASAP.