

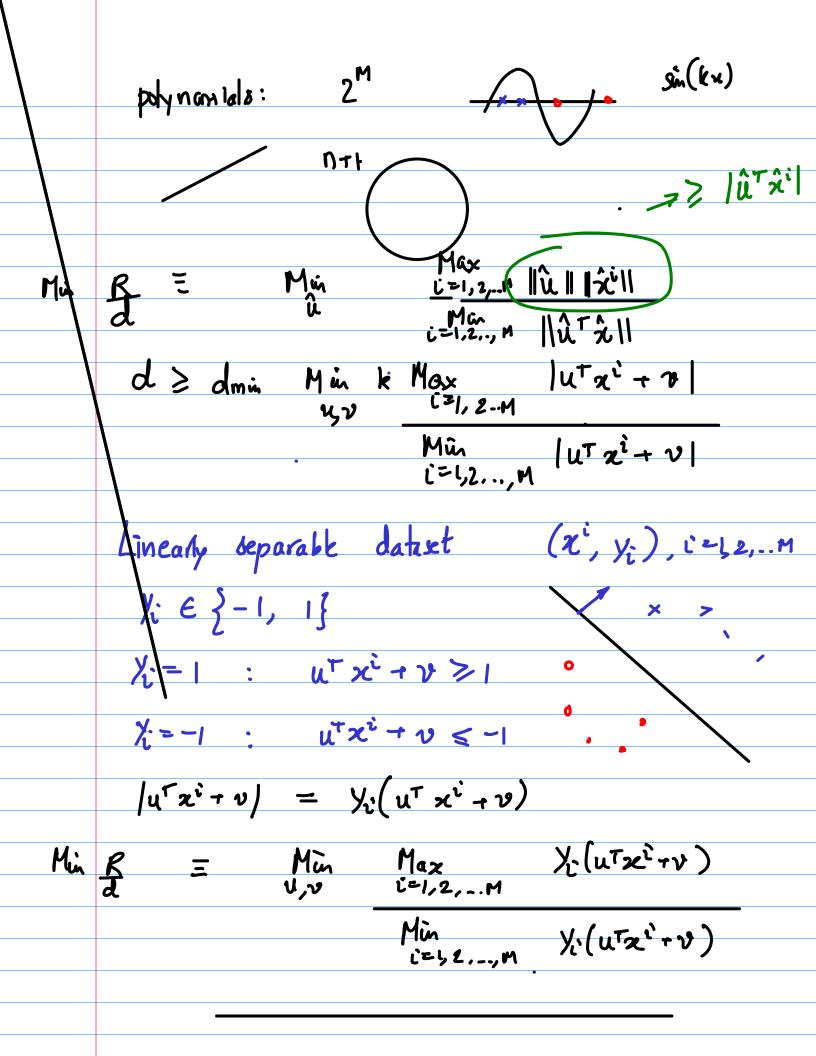
$$||W||_{p} = \left(|W_{1}|^{p} + |W_{2}|^{p} - - |W_{n}|^{p} \right)^{\frac{1}{p}}$$

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M: sa M ples

η: dime n sion

d



```
X (uTzer +v)
                 Max 1=1,2,...M
                 Min / (utzi+v)
                 LFPP
·8-3 / / (uTzi+v), [=1,2,..,M
       - Cooper transformation (Nun. of S. Chandra)
     · & > / (u x + v), [=1, 2, ..., H
         pg > 1; [pu) xi + (pv)
     L & Y; (uTxi +0), [=1,2,.., M
     p.L \leq \lambda \left[ (pu)^T x^i + (pv) \right]
```

Min
$$g = g R$$
 $g \ge \chi_{i} (u^{T} x^{i} + v), i \ge 1, 2, ..., M$
 $p \ge \chi_{i} (u^{T} x^{i} + v), i \ge 1, 2, ..., M$
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 $k \ge q p, (p u) \ge N, (p v) \ge 1$
 $k \ge h \ge \chi_{i} [N^{T} x^{i} + b], i \ge 1, 2, ..., M$
 $\chi_{i} (N^{T} x^{i} + b) \ge 1, i \ge 1, 2, ..., M$

