NOMENCLATURE

ms... major supplier (with market power) as... ancillary supplier

P. Price / Pas price offered by the ms

9... quantity / gms quantity offered by the ms

d... demand

X... Parameter of the production capacity increase as a reaction to the current market price

ie d1,2,33 (Timesteps)

LEADER (profil maximization)

 $\max_{\substack{m_1 \\ m_2 \\ i \neq j}} \sum_{i=1}^{3} q_i^{m_2} \cdot \lambda_i$

6. t.: 0 ≤ pms ≤ 5 ms

 $0 \le q^{ms} \le q^{ms}$ $0 \le q^{s}$

10 £ 995 1 £ 5 95

1998 17 i 2 di ; hi

FOLLOWER (market cleaning)

State Variable: 5 as

i+1 = 5 as + x. (-p; + 1;)