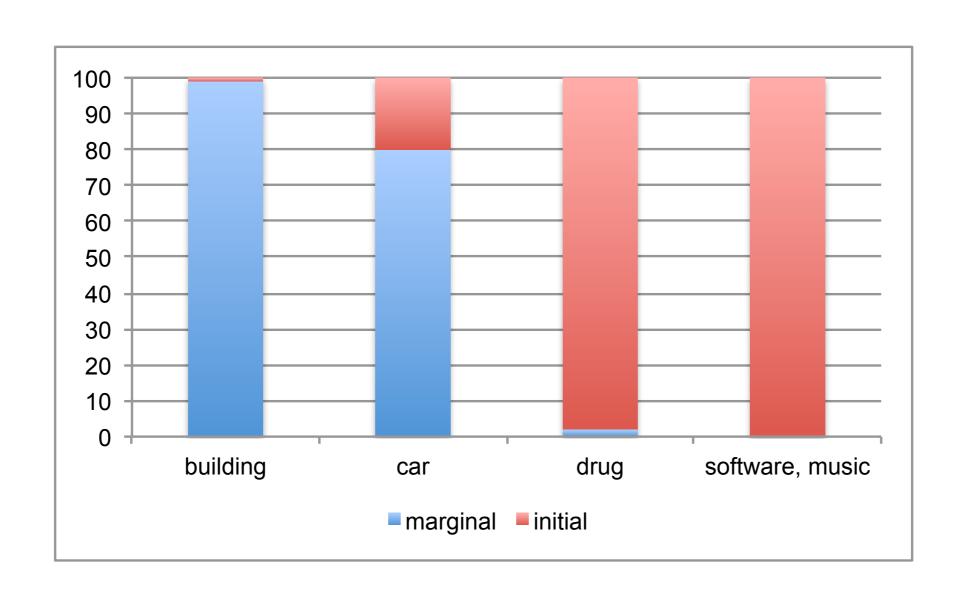
Delinkage of R&D costs from unit prices: non-pharma industries

US Senate, Dirksen Office Building, Dec 2, 2016

Rishab Aiyer Ghosh Maastricht University rishab.ghosh@gmail.com

Marginal vs total cost



Problem with infinity

- Where marginal production costs approach zero, recovering initial costs through pricing at the margin is a misalignment of costs and prices
- Dependent on state-granted monopoly rights, consumers feel unit pricing is unfair, don't see unauthorized copying as theft, etc.
- Nothing natural just one business model

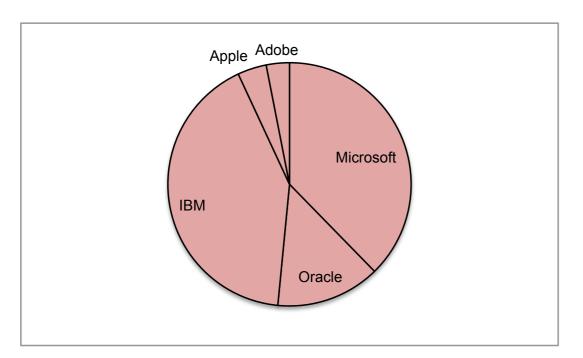
20 years in software

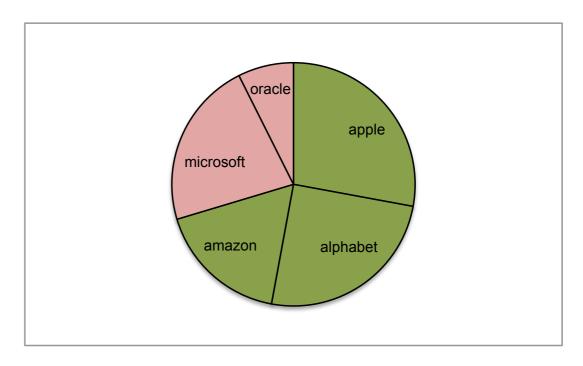
- Proprietary software sales —> mainstream open source
- Business models have moved away from unit priced software sales
- Software producers are still very profitable

Top software producers

Market cap as % of top 5 IT firms

1996 2015





Software sold with unit pricing

Software distributed without unit pricing