

**Proposition 2.** Let  $m \in [0,1]$  denote the fraction of remote work. The employer's profit under

hybrid work is  $\Pi_{hb}^{unobs} = \Pi_{ip}^{unobs} - 2 \cdot [(1-\rho)\beta^2 + \rho\alpha^2] \cdot \frac{c_r[(1+m)^\eta - 1]}{\alpha(\alpha - \beta)} + m \cdot (K + \Delta)$  .

Maximizing  $\Pi_{hb}^{unobs}$  for the optimal fraction of remote work yields  $m^* = \left( \frac{\alpha(\alpha - \beta)(K + \Delta)}{2\eta c_r [(1-\rho)\beta^2 + \rho\alpha^2]} \right)^{\frac{1}{\eta-1}} - 1$