Pivot Arrival CDF by Front-loading Level

Global quantiles:
$p_{50} = 0.28$
$p_{75} = 0.48$
$p_{90} = 0.69$

P(global max pivot arrived)

Fraction of stream observed

$\varepsilon = 0.10$
$\varepsilon = 0.30$
$\varepsilon = 0.50$
$\varepsilon = 0.70$
Recommended $f = 0.25$