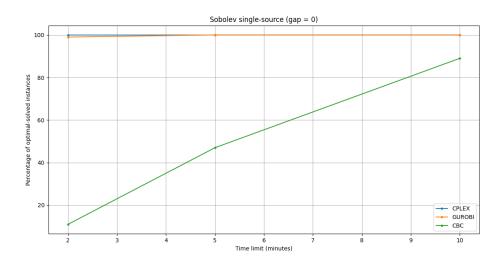
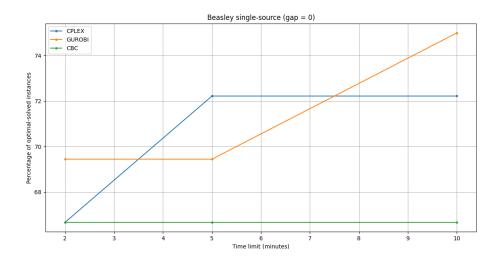
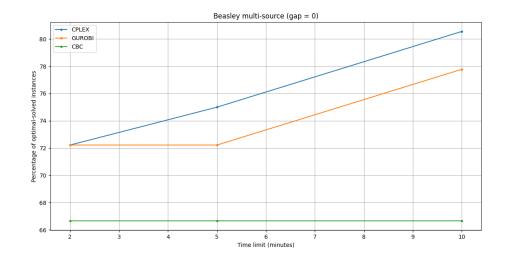
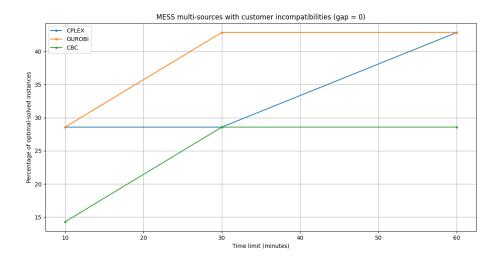
## Optimal-solved instances by time

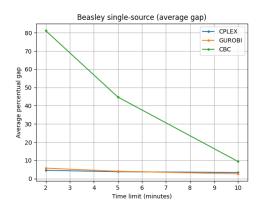


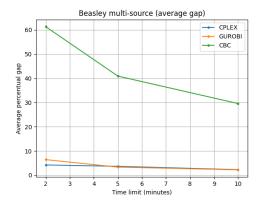




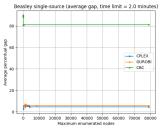


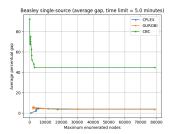
## Beasley large instances average gap by time

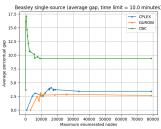


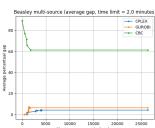


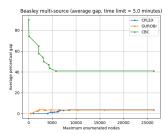
## Beasley large instances average gap by nodes

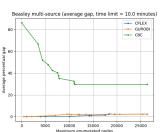




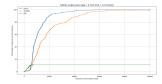


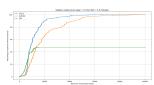


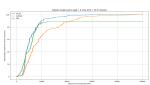




## Sobolev optimal-solved instances by nodes







CBC-solved Sobolev instances average percentual gap:

 $\begin{array}{lll} 120s \ {\rm time\ limit:} \ 5.091517777160894 \\ 300s \ {\rm time\ limit:} \ 2.657761947500523 \\ 600s \ {\rm time\ limit:} \ 0.0951064215085998 \end{array}$