|                     |                 |                 | Time(s)         |                 |                 |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Dataset             | OPF             | P-OPF-BA        | P-OPF-FFA       | P-OPF-PSO       | P-OPF-NM        |
| australian          | $0.00 \pm 0.00$ | $0.17 \pm 0.02$ | $0.20 \pm 0.01$ | $0.10 \pm 0.01$ | $0.02 \pm 0.00$ |
| industrial          | $0.06 \pm 0.00$ | $1.00 \pm 0.15$ | $0.98 \pm 0.14$ | $0.97 \pm 0.09$ | $0.30 \pm 0.00$ |
| industrial          | $0.05 \pm 0.00$ | $0.96 \pm 0.12$ | $0.91 \pm 0.11$ | $0.88 \pm 0.11$ | $0.26 \pm 0.06$ |
| $breast\_cancer$    | $0.01 \pm 0.00$ | $0.23 \pm 0.05$ | $0.30 \pm 0.06$ | $0.32 \pm 0.01$ | $0.12 \pm 0.01$ |
| $colon\_cancer$     | $0.00 \pm 0.00$ | $0.10 \pm 0.01$ | $0.10 \pm 0.01$ | $0.10 \pm 0.01$ | $0.01 \pm 0.00$ |
| diabetes            | $0.01 \pm 0.00$ | $0.25 \pm 0.03$ | $0.32 \pm 0.05$ | $0.27 \pm 0.01$ | $0.04 \pm 0.00$ |
| fourclass           | $0.01 \pm 0.00$ | $0.27 \pm 0.03$ | $0.28 \pm 0.03$ | $0.28 \pm 0.03$ | $0.05 \pm 0.00$ |
| heart               | $0.00 \pm 0.00$ | $0.17 \pm 0.03$ | $0.18 \pm 0.02$ | $0.18 \pm 0.01$ | $0.02 \pm 0.00$ |
| ionosphere          | $0.00 \pm 0.00$ | $0.21 \pm 0.04$ | $0.21 \pm 0.04$ | $0.20 \pm 0.02$ | $0.03 \pm 0.00$ |
| $ionosphere\_scale$ | $0.00 \pm 0.00$ | $0.18 \pm 0.02$ | $0.19 \pm 0.03$ | $0.2 \pm 0.02$  | $0.01 \pm 0.00$ |
| liver               | $0.00 \pm 0.00$ | $0.17 \pm 0.01$ | $0.18 \pm 0.01$ | $0.16 \pm 0.01$ | $0.01 \pm 0.00$ |
| synthetic0          | $0.00 \pm 0.00$ | $0.19 \pm 0.01$ | $0.19 \pm 0.01$ | $0.20 \pm 0.01$ | $0.02 \pm 0.00$ |
| synthetic2          | $0.02 \pm 0.00$ | $0.31 \pm 0.02$ | $0.30 \pm 0.02$ | $0.29 \pm 0.03$ | $0.10 \pm 0.03$ |
| synthetic3          | $0.00 \pm 0.00$ | $0.12 \pm 0.01$ | $0.13 \pm 0.01$ | $0.11 \pm 0.01$ | $0.01 \pm 0.00$ |