

| | | Optimal | | | | | | | | | | | | Suboptimal | | | | | | | | | | | |
|-----------|-----|---------------|------|------|----------------|------|------|-------------|------|------|-------------|------|------|---------------|------|------|----------------|------|------|-------------|------|------|-------------|------|------|
| | | δ_{HC} | | | δ_{HCF} | | | R&G | | | POM | | | δ_{HC} | | | δ_{HCF} | | | R&G | | | POM | | |
| # | % | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR | AGR | ACC | SPR |
| BLOCKS | 10 | 0.32 | 0.67 | 6.67 | 0.32 | 0.67 | 6.67 | 0.31 | 0.67 | 7.11 | 0.06 | 0.08 | 1.25 | 0.38 | 0.69 | 6.58 | 0.38 | 0.69 | 6.58 | 0.42 | 0.89 | 8.97 | 0.05 | 0.06 | 1.28 |
| | 30 | 0.37 | 0.75 | 3.44 | 0.37 | 0.75 | 3.44 | 0.39 | 0.92 | 6.28 | 0.13 | 0.28 | 1.25 | 0.36 | 0.64 | 3.47 | 0.37 | 0.67 | 3.5 | 0.49 | 0.92 | 5.47 | 0.22 | 0.47 | 1.22 |
| | 50 | 0.64 | 0.83 | 2.17 | 0.64 | 0.83 | 2.17 | 0.6 | 0.89 | 3.19 | 0.37 | 0.56 | 1.19 | 0.53 | 0.83 | 2.64 | 0.53 | 0.83 | 2.67 | 0.55 | 0.94 | 2.72 | 0.28 | 0.58 | 1.25 |
| | 70 | 0.79 | 0.92 | 1.67 | 0.81 | 0.94 | 1.78 | 0.77 | 0.94 | 2.14 | 0.47 | 0.67 | 1.22 | 0.67 | 0.89 | 2.22 | 0.67 | 0.89 | 2.22 | 0.63 | 0.86 | 2.47 | 0.38 | 0.72 | 1.19 |
| DWR | 100 | 0.88 | 0.94 | 1.58 | 0.88 | 0.97 | 1.61 | 0.89 | 0.97 | 2.03 | 0.57 | 1.0 | 1.81 | 0.78 | 0.92 | 1.53 | 0.82 | 0.97 | 1.64 | 0.74 | 0.92 | 1.97 | 0.51 | 1.0 | 1.72 |
| | 10 | 0.41 | 0.81 | 2.81 | 0.41 | 0.81 | 2.75 | 0.19 | 0.44 | 2.08 | 0.28 | 0.44 | 1.33 | 0.39 | 0.81 | 3.36 | 0.39 | 0.81 | 3.36 | 0.23 | 0.5 | 1.94 | 0.33 | 0.47 | 1.31 |
| | 30 | 0.57 | 0.92 | 2.11 | 0.6 | 0.94 | 2.25 | 0.28 | 0.47 | 1.39 | 0.46 | 0.61 | 1.19 | 0.55 | 0.83 | 2.14 | 0.55 | 0.83 | 2.14 | 0.09 | 0.14 | 0.64 | 0.56 | 0.69 | 1.17 |
| | 50 | 0.63 | 0.92 | 1.64 | 0.63 | 0.92 | 1.64 | 0.1 | 0.17 | 0.28 | 0.58 | 0.75 | 1.14 | 0.63 | 0.89 | 1.47 | 0.63 | 0.89 | 1.5 | 0.11 | 0.17 | 0.39 | 0.75 | 0.97 | 1.11 |
| IPC-GRID | 70 | 0.81 | 1.0 | 1.28 | 0.81 | 1.0 | 1.28 | 0.15 | 0.17 | 0.25 | 0.73 | 0.83 | 1.17 | 0.78 | 0.92 | 1.22 | 0.78 | 0.92 | 1.22 | 0.1 | 0.11 | 0.14 | 0.69 | 0.75 | 1.08 |
| | 100 | 0.86 | 1.0 | 1.19 | 0.89 | 1.0 | 1.14 | 0.04 | 0.06 | 0.08 | 0.79 | 0.83 | 1.0 | 0.86 | 0.97 | 1.14 | 0.9 | 1.0 | 1.11 | 0.03 | 0.03 | 0.03 | 0.88 | 0.92 | 1.03 |
| | 10 | 0.57 | 0.92 | 1.5 | 0.57 | 0.92 | 1.5 | 0.16 | 0.23 | 0.71 | 0.38 | 0.67 | 1.71 | 0.62 | 0.9 | 2.1 | 0.62 | 0.9 | 2.1 | 0.12 | 0.19 | 0.44 | 0.54 | 0.71 | 1.58 |
| | 30 | 0.85 | 0.92 | 1.17 | 0.85 | 0.94 | 1.17 | 0.28 | 0.29 | 0.33 | 0.71 | 0.85 | 1.67 | 0.68 | 0.9 | 1.44 | 0.68 | 0.9 | 1.44 | 0.08 | 0.15 | 0.29 | 0.72 | 0.88 | 1.25 |
| FERRY | 50 | 0.89 | 0.96 | 1.15 | 0.89 | 0.96 | 1.15 | 0.07 | 0.1 | 0.15 | 0.81 | 0.9 | 1.15 | 0.84 | 0.96 | 1.06 | 0.84 | 0.98 | 1.1 | 0.04 | 0.04 | 0.04 | 0.85 | 0.96 | 1.04 |
| | 70 | 0.95 | 1.0 | 1.15 | 0.95 | 1.0 | 1.15 | 0.15 | 0.15 | 0.15 | 0.93 | 1.0 | 1.15 | 0.89 | 1.0 | 1.06 | 0.89 | 1.0 | 1.06 | 0.02 | 0.02 | 0.02 | 0.9 | 0.98 | 1.0 |
| | 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.08 | 0.08 | 0.08 | 0.99 | 1.0 | 1.02 | 0.94 | 1.0 | 1.0 | 0.94 | 1.0 | 1.0 | 0.04 | 0.04 | 0.04 | 0.92 | 1.0 | 1.04 |
| | 10 | 0.43 | 0.83 | 3.86 | 0.43 | 0.83 | 3.86 | 0.32 | 0.61 | 2.83 | 0.2 | 0.31 | 1.36 | 0.35 | 0.72 | 3.36 | 0.35 | 0.75 | 3.39 | 0.31 | 0.64 | 2.89 | 0.26 | 0.36 | 1.44 |
| LOGISTICS | 30 | 0.46 | 0.83 | 2.31 | 0.46 | 0.83 | 2.31 | 0.41 | 0.75 | 2.11 | 0.44 | 0.58 | 1.47 | 0.47 | 0.78 | 2.33 | 0.47 | 0.78 | 2.33 | 0.47 | 0.75 | 1.83 | 0.44 | 0.56 | 1.17 |
| | 50 | 0.74 | 0.94 | 1.78 | 0.77 | 0.97 | 1.72 | 0.65 | 0.83 | 1.31 | 0.69 | 0.78 | 1.14 | 0.75 | 0.92 | 1.56 | 0.75 | 0.92 | 1.56 | 0.66 | 0.81 | 1.44 | 0.69 | 0.81 | 1.17 |
| | 70 | 0.9 | 1.0 | 1.42 | 0.92 | 1.0 | 1.39 | 0.77 | 0.83 | 1.14 | 0.9 | 0.94 | 1.06 | 0.81 | 0.94 | 1.53 | 0.83 | 0.94 | 1.47 | 0.7 | 0.81 | 1.08 | 0.78 | 0.92 | 1.25 |
| | 100 | 0.92 | 0.97 | 1.31 | 0.95 | 1.0 | 1.28 | 0.75 | 0.89 | 1.33 | 0.94 | 1.0 | 1.11 | 0.85 | 0.97 | 1.53 | 0.95 | 1.0 | 1.33 | 0.71 | 0.78 | 1.11 | 0.82 | 1.0 | 1.36 |
| MICRONIC | 10 | 0.58 | 0.94 | 2.72 | 0.58 | 0.94 | 2.72 | 0.13 | 0.19 | 0.81 | 0.41 | 0.67 | 2.08 | 0.55 | 0.89 | 2.36 | 0.55 | 0.89 | 2.36 | 0.28 | 0.47 | 1.36 | 0.41 | 0.56 | 1.42 |
| | 30 | 0.82 | 0.94 | 1.28 | 0.82 | 0.94 | 1.28 | 0.06 | 0.06 | 0.14 | 0.78 | 0.92 | 1.36 | 0.8 | 1.0 | 1.33 | 0.82 | 1.0 | 1.28 | 0.12 | 0.14 | 0.19 | 0.81 | 0.89 | 1.08 |
| | 50 | 0.9 | 0.97 | 1.11 | 0.9 | 0.97 | 1.11 | 0.03 | 0.03 | 0.03 | 0.89 | 0.94 | 1.08 | 0.91 | 1.0 | 1.22 | 0.91 | 1.0 | 1.22 | 0.03 | 0.03 | 0.03 | 0.9 | 0.94 | 1.03 |
| | 70 | 0.97 | 1.0 | 1.03 | 0.97 | 1.0 | 1.03 | 0.03 | 0.03 | 0.03 | 0.94 | 1.0 | 1.08 | 0.96 | 1.0 | 1.06 | 0.97 | 1.0 | 1.03 | 0.0 | 0.0 | 0.0 | 0.99 | 1.0 | 1.0 |
| ROVERS | 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.03 | 0.03 | 0.03 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
| | 10 | 0.39 | 0.69 | 2.39 | 0.39 | 0.69 | 2.39 | 0.46 | 0.86 | 3.31 | 0.27 | 0.44 | 1.5 | 0.43 | 0.81 | 2.11 | 0.43 | 0.81 | 2.11 | 0.47 | 0.92 | 3.22 | 0.35 | 0.61 | 1.5 |
| | 30 | 0.57 | 0.81 | 1.44 | 0.65 | 0.94 | 1.58 | 0.55 | 0.94 | 1.94 | 0.57 | 0.69 | 1.17 | 0.75 | 0.89 | 1.36 | 0.78 | 0.94 | 1.42 | 0.64 | 0.94 | 1.97 | 0.69 | 0.86 | 1.33 |
| | 50 | 0.93 | 1.0 | 1.14 | 0.94 | 1.0 | 1.11 | 0.87 | 0.97 | 1.22 | 0.9 | 0.94 | 1.03 | 0.86 | 0.94 | 1.14 | 0.89 | 0.94 | 1.08 | 0.87 | 1.0 | 1.25 | 0.93 | 0.97 | 1.08 |
| SATELLITE | 70 | 0.94 | 0.97 | 1.08 | 0.96 | 1.0 | 1.11 | 0.93 | 1.0 | 1.17 | 0.96 | 0.97 | 1.03 | 0.9 | 0.94 | 1.08 | 0.93 | 0.94 | 1.03 | 0.98 | 1.0 | 1.06 | 0.94 | 0.97 | 1.11 |
| | 100 | 0.94 | 0.97 | 1.06 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.97 | 1.0 | 1.08 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 10 | 0.44 | 0.81 | 2.58 | 0.44 | 0.81 | 2.58 | 0.18 | 0.47 | 1.33 | 0.31 | 0.44 | 1.25 | 0.46 | 0.72 | 2.31 | 0.46 | 0.72 | 2.31 | 0.37 | 0.58 | 2.08 | 0.44 | 0.58 | 1.25 |
| | 30 | 0.7 | 0.83 | 1.36 | 0.7 | 0.83 | 1.39 | 0.45 | 0.61 | 1.22 | 0.75 | 0.86 | 1.19 | 0.65 | 0.92 | 1.56 | 0.66 | 0.92 | 1.5 | 0.4 | 0.64 | 1.11 | 0.51 | 0.64 | 1.17 |
| SOKOBAN | 50 | 0.8 | 0.92 | 1.33 | 0.82 | 0.97 | 1.36 | 0.31 | 0.42 | 0.61 | 0.71 | 0.81 | 1.11 | 0.87 | 0.97 | 1.19 | 0.85 | 0.97 | 1.22 | 0.49 | 0.56 | 0.67 | 0.72 | 0.81 | 1.14 |
| | 70 | 0.93 | 0.97 | 1.08 | 0.89 | 0.97 | 1.17 | 0.49 | 0.5 | 0.53 | 0.88 | 0.92 | 1.08 | 0.93 | 1.0 | 1.11 | 0.92 | 0.97 | 1.11 | 0.26 | 0.28 | 0.31 | 0.89 | 0.94 | 1.06 |
| | 100 | 0.97 | 1.0 | 1.06 | 0.93 | 0.97 | 1.08 | 0.39 | 0.39 | 0.39 | 0.97 | 0.97 | 1.0 | 0.97 | 1.0 | 1.06 | 0.93 | 0.97 | 1.08 | 0.34 | 0.36 | 0.5 | 0.9 | 0.94 | 1.08 |
| | 10 | 0.53 | 0.75 | 3.31 | 0.53 | 0.75 | 3.31 | 0.41 | 0.58 | 2.94 | 0.34 | 0.5 | 2.28 | 0.49 | 0.83 | 3.08 | 0.49 | 0.83 | 3.08 | 0.41 | 0.67 | 3.11 | 0.29 | 0.53 | 2.36 |
| SATellite | 30 | 0.5 | 0.78 | 2.33 | 0.48 | 0.78 | 2.47 | 0.4 | 0.81 | 2.78 | 0.41 | 0.69 | 1.75 | 0.54 | 0.78 | 2.17 | 0.6 | 0.92 | 2.47 | 0.54 | 0.89 | 3.0 | 0.51 | 0.78 | 1.92 |
| | 50 | 0.67 | 0.89 | 1.89 | 0.69 | 0.92 | 1.89 | 0.42 | 0.75 | 2.5 | 0.49 | 0.72 | 1.5 | 0.78 | 0.89 | 1.42 | 0.81 | 0.94 | 1.47 | 0.61 | 0.92 | 2.19 | 0.66 | 0.92 | 1.33 |
| | 70 | 0.87 | 0.94 | 1.31 | 0.87 | 0.94 | 1.31 | 0.67 | 0.78 | 1.47 | 0.81 | 0.94 | 1.17 | 0.86 | 0.97 | 1.47 | 0.91 | 1.0 | 1.42 | 0.63 | 0.78 | 1.67 | 0.78 | 0.94 | 1.42 |
| | 100 | 0.92 | 0.97 | 1.31 | 0.94 | 0.97 | 1.14 | 0.69 | 0.78 | 1.31 | 0.88 | 1.0 | 1.22 | 0.92 | 0.94 | 1.19 | 0.94 | 0.94 | 1.14 | 0.47 | 0.56 | 1.0 | 0.92 | 1.0 | 1.25 |
| AVG | 10 | 0.27 | 0.58 | 2.78 | 0.27 | 0.58 | 2.78 | 0.1 | 0.31 | 1.83 | 0.24 | 0.42 | 1.42 | 0.31 | 0.58 | 2.47 | 0.32 | 0.56 | 2.06 | 0.13 | 0.36 | 2.39 | 0.25 | 0.44 | 1.67 |
| | 30 | 0.56 | 0.78 | 2.17 | 0.7 | 0.83 | 1.44 | 0.2 | 0.31 | 1.0 | 0.34 | 0.42 | 1.28 | 0.48 | 0.75 | 2.81 | 0.56 | 0.78 | 1.89 | 0.12 | 0.19 | 0.75 | 0.29 | 0.42 | 1.28 |
| | 50 | 0.61 | 0.94 | 2.97 | 0.82 | 0.97 | 1.19 | 0.2 | 0.31 | 0.75 | 0.57 | 0.67 | 1.28 | 0.5 | 0.94 | 4.22 | 0.73 | 0.86 | 1.17 | 0.01 | 0.03 | 0.06 | 0.46 | 0.56 | 1.22 |
| | 70 | 0.6 | 0.94 | 3.75 | 0.97 | 1.0 | 1.06 | 0.08 | 0.11 | 0.19 | 0.84 | 0.94 | 1.28 | 0.54 | 1.0 | 4.44 | 0.8 | 0.94 | 1.03 | 0.06 | 0.08 | 0.11 | 0.58 | 0.78 | 1.28 |
| | 100 | 0.66 | 1.0 | 3.89 | 1.0 | 1.0 | 1.0 | 0.04 | 0.06 | 0.08 | 0.96 | 1.0 | 1.08 | 0.35 | 0.94 | 5.97 | 0.85 | 0.97 | 1.03 | 0.04 | 0.06 | 0.06 | 0.77 | 1.0 | 1.14 |
| AVG | | 0.71 | 0.9 | 1.97 | 0.74 | 0.91 | 1.79 | 0.37 | 0.51 | 1.41 | 0.64 | 0.75 | 1.28 | 0.69 | 0.89 | 2.07 | 0.72 | 0.9 | 1.78 | 0.35 | 0.49 | 1.4 | 0.63 | 0.78 | 1.26 |

Table 1