|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **HRSS** | | **reduction\_percentage** | | | | | | | **MI-F** | | **reduction\_percentage** | | | | | | |
| **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** | **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** |
| **P = 10** | **K = 3** | **92.62** | **92.52** | **92.48** | **92.50** | **92.40** | **92.04** | **67.37** | **P = 10** | **K = 3** | **56.98** | **51.58** | **51.19** | **51.88** | **51.70** | **53.69** | **55.46** |
|  | **K = 6** | **95.52** | **94.30** | **94.24** | **94.30** | **94.30** | **94.17** | **67.90** |  | **K = 6** | **53.52** | **55.69** | **55.35** | **54.49** | **55.39** | **55.71** | **56.68** |
|  | **K = 9** | **94.86** | **94.11** | **94.08** | **94.16** | **94.10** | **93.92** | **68.21** |  | **K = 9** | **55.06** | **51.31** | **51.34** | **51.40** | **51.31** | **50.60** | **51.37** |
| **P = 30** | **K = 3** | **87.58** | **87.42** | **87.41** | **87.30** | **87.69** | **87.27** | **62.47** | **P = 30** | **K = 3** | **50.29** | **44.38** | **43.62** | **43.08** | **43.68** | **44.00** | **45.94** |
|  | **K = 6** | **90.84** | **88.90** | **89.00** | **89.00** | **89.34** | **88.75** | **62.57** |  | **K = 6** | **49.61** | **45.32** | **46.63** | **45.48** | **45.48** | **45.83** | **42.99** |
|  | **K = 9** | **90.85** | **91.43** | **91.48** | **91.40** | **91.37** | **91.30** | **62.52** |  | **K = 9** | **46.11** | **42.73** | **42.80** | **42.76** | **42.81** | **43.67** | **43.47** |
| **P = 50** | **K = 3** | **80.34** | **80.20** | **80.64** | **81.11** | **79.87** | **78.27** | **60.02** | **P = 50** | **K = 3** | **43.98** | **41.06** | **41.75** | **41.82** | **41.51** | **40.80** | **43.84** |
|  | **K = 6** | **83.47** | **81.86** | **82.81** | **82.67** | **82.76** | **81.63** | **57.01** |  | **K = 6** | **44.67** | **43.66** | **43.68** | **41.77** | **42.17** | **41.95** | **42.36** |
|  | **K = 9** | **82.45** | **81.03** | **82.32** | **81.80** | **81.92** | **81.78** | **57.95** |  | **K = 9** | **49.32** | **42.49** | **41.97** | **43.14** | **41.42** | **42.36** | **42.43** |
| **MI-V** | | **reduction\_percentage** | | | | | | | **OPTDIGITS** | | **reduction\_percentage** | | | | | | |
| **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** | **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** |
| **P = 10** | **K = 3** | **80.98** | **77.13** | **76.48** | **77.42** | **77.68** | **77.79** | **80.08** | **P = 10** | **K = 3** | **99.97** | **99.91** | **99.91** | **99.73** | **99.88** | **99.71** | **99.95** |
|  | **K = 6** | **85.08** | **85.84** | **84.96** | **85.62** | **85.18** | **84.63** | **87.28** |  | **K = 6** | **100.00** | **99.28** | **99.26** | **99.28** | **99.28** | **99.16** | **100.00** |
|  | **K = 9** | **83.31** | **84.45** | **84.46** | **84.47** | **84.04** | **85.47** | **86.40** |  | **K = 9** | **100.00** | **98.60** | **97.73** | **99.34** | **99.64** | **98.83** | **99.31** |
| **P = 30** | **K = 3** | **70.20** | **69.82** | **69.91** | **69.57** | **70.17** | **70.77** | **72.17** | **P = 30** | **K = 3** | **77.14** | **72.63** | **74.12** | **69.25** | **75.68** | **72.12** | **63.15** |
|  | **K = 6** | **71.38** | **68.52** | **68.66** | **68.26** | **68.98** | **69.03** | **71.03** |  | **K = 6** | **82.46** | **84.79** | **83.00** | **80.43** | **79.23** | **81.25** | **87.26** |
|  | **K = 9** | **72.98** | **71.19** | **71.04** | **71.34** | **71.14** | **71.57** | **71.92** |  | **K = 9** | **86.11** | **91.74** | **91.62** | **91.58** | **91.50** | **91.12** | **91.76** |
| **P = 50** | **K = 3** | **66.33** | **63.80** | **62.92** | **63.94** | **63.59** | **64.67** | **63.69** | **P = 50** | **K = 3** | **55.40** | **55.04** | **55.79** | **58.63** | **63.52** | **60.66** | **44.48** |
|  | **K = 6** | **67.95** | **65.25** | **65.45** | **65.24** | **65.27** | **64.99** | **67.17** |  | **K = 6** | **89.00** | **84.73** | **84.84** | **85.01** | **79.15** | **84.52** | **72.52** |
|  | **K = 9** | **68.63** | **67.98** | **67.92** | **68.06** | **68.53** | **68.53** | **67.70** |  | **K = 9** | **75.15** | **57.32** | **57.97** | **56.60** | **54.61** | **65.32** | **67.16** |
| **PENDIGITS** | | **reduction\_percentage** | | | | | | | **SATELLITE** | | **reduction\_percentage** | | | | | | |
| **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** | **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** |
| **P = 10** | **K = 3** | **100.00** | **100.00** | **100.00** | **100.00** | **100.00** | **100.00** | **100.00** | **P = 10** | **K = 3** | **70.65** | **68.22** | **67.61** | **67.74** | **67.16** | **67.72** | **64.44** |
|  | **K = 6** | **100.00** | **99.99** | **99.99** | **99.98** | **99.99** | **99.98** | **100.00** |  | **K = 6** | **77.06** | **71.97** | **71.56** | **71.16** | **71.98** | **72.80** | **65.75** |
|  | **K = 9** | **100.00** | **99.93** | **99.98** | **99.34** | **99.64** | **98.83** | **99.31** |  | **K = 9** | **78.65** | **77.32** | **78.69** | **77.44** | **76.42** | **76.18** | **67.40** |
| **P = 30** | **K = 3** | **91.88** | **91.69** | **92.17** | **91.17** | **91.21** | **91.33** | **96.83** | **P = 30** | **K = 3** | **64.04** | **63.24** | **63.76** | **63.04** | **63.44** | **61.50** | **84.90** |
|  | **K = 6** | **94.67** | **97.36** | **97.40** | **97.02** | **97.40** | **97.17** | **98.17** |  | **K = 6** | **71.84** | **63.89** | **63.18** | **63.57** | **64.11** | **61.80** | **78.65** |
|  | **K = 9** | **93.69** | **92.69** | **92.89** | **92.62** | **92.77** | **92.40** | **95.31** |  | **K = 9** | **74.57** | **66.23** | **66.87** | **68.43** | **66.96** | **66.58** | **86.56** |
| **P = 50** | **K = 3** | **60.03** | **53.12** | **53.11** | **52.79** | **53.86** | **54.91** | **73.52** | **P = 50** | **K = 3** | **61.33** | **57.21** | **57.09** | **56.23** | **56.54** | **58.40** | **82.65** |
|  | **K = 6** | **89.79** | **89.51** | **88.00** | **88.64** | **91.01** | **91.37** | **99.26** |  | **K = 6** | **66.28** | **59.78** | **59.31** | **58.90** | **59.18** | **59.25** | **82.09** |
|  | **K = 9** | **80.65** | **84.83** | **83.81** | **84.70** | **85.39** | **86.00** | **86.37** |  | **K = 9** | **67.99** | **62.90** | **63.21** | **63.72** | **62.95** | **66.00** | **89.75** |
| **SHUTTLE** | | **reduction\_percentage** | | | | | | | **THYROID** | | **reduction\_percentage** | | | | | | |
| **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** | **0%** | **10%** | **30%** | **50%** | **70%** | **90%** | **100%** |
| **P = 10** | **K = 3** | **99.63** | **98.81** | **97.49** | **97.90** | **98.61** | **98.47** | **99.19** | **P = 10** | **K = 3** | **91.00** | **82.09** | **82.16** | **85.85** | **85.34** | **85.14** | **73.25** |
|  | **K = 6** | **99.69** | **92.61** | **99.47** | **93.50** | **99.62** | **90.15** | **99.80** |  | **K = 6** | **90.55** | **89.87** | **90.53** | **89.54** | **88.63** | **90.82** | **90.68** |
|  | **K = 9** | **99.56** | **94.05** | **97.22** | **94.17** | **98.28** | **93.12** | **99.02** |  | **K = 9** | **94.95** | **92.41** | **92.58** | **92.15** | **90.50** | **91.16** | **82.33** |
| **P = 30** | **K = 3** | **98.90** | **76.13** | **75.64** | **76.75** | **76.36** | **77.41** | **90.93** | **P = 30** | **K = 3** | **89.39** | **86.15** | **90.92** | **85.97** | **88.77** | **88.99** | **76.25** |
|  | **K = 6** | **96.18** | **90.27** | **90.36** | **90.64** | **90.48** | **92.65** | **86.98** |  | **K = 6** | **92.26** | **88.78** | **90.19** | **90.31** | **86.56** | **86.54** | **85.19** |
|  | **K = 9** | **97.81** | **96.36** | **96.99** | **96.56** | **97.13** | **97.40** | **92.91** |  | **K = 9** | **90.32** | **76.31** | **77.14** | **77.43** | **77.58** | **75.08** | **81.84** |
| **P = 50** | **K = 3** | **94.35** | **79.54** | **79.88** | **81.27** | **84.05** | **85.89** | **83.04** | **P = 50** | **K = 3** | **87.70** | **88.48** | **86.24** | **88.27** | **88.26** | **91.03** | **77.81** |
|  | **K = 6** | **90.98** | **92.65** | **92.61** | **92.62** | **92.65** | **92.60** | **91.50** |  | **K = 6** | **90.73** | **84.71** | **84.70** | **84.86** | **84.45** | **83.50** | **74.15** |
|  | **K = 9** | **94.76** | **93.28** | **93.32** | **93.35** | **93.30** | **93.30** | **92.94** |  | **K = 9** | **88.11** | **81.28** | **78.60** | **82.42** | **81.93** | **84.82** | **81.61** |