pvec: [6.12073495 1.16120667 3.38216267 3.49973899 1.8877114 3.77717022

1.57383566 0.656488 3.68852582 2.96791314 2.84928064 3.38561463

5.38226244 0.30773205 2.14503341]

param: [0.40998699 3.48552324 4.76679012]

[0.40998699 3.48552324 4.76679012]

target state purity: 0.7763850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.339785

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prob: 1

param: [0.40998699 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.420485

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09708500000000009

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prob: 1

param: [2.39996323 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1989850000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.2675850000000002

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prob: 1

param: [3.88322208 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.37768500000000005

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.15908500000000014

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prob: 1

param: [1.48325885 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.2575850000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.1040850000000002

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prob: 1

param: [2.3575943 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.188585

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.11318500000000009

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prob: 1

param: [2.03193721 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.20818500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10918500000000009

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prob: 1

param: [2.23320436 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.198585

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10158500000000004

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prob: 1

param: [2.31597003 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.188485

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09108500000000008

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prob: 1

param: [2.33558136 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1989850000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.1050850000000001

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prob: 1

param: [2.31593666 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.18998500000000007

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09688500000000011

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prob: 1

param: [2.32346089 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1896850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10358500000000004

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prob: 1

param: [2.31883128 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.18618500000000004

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09738500000000005

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prob: 1

param: [2.32059963 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.19498500000000019

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09668500000000013

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prob: 1

param: [2.31773838 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1936850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09438500000000016

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prob: 1

param: [2.31950673 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.19208500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10438500000000017

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prob: 1

param: [2.31841383 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.18938500000000014

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.08878500000000011

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prob: 1

param: [2.31908928 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.19818500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09868500000000013

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prob: 1

param: [2.31867183 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.20338500000000015

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10268500000000014

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prob: 1

param: [2.31892983 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.196585

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.09888500000000011

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prob: 1

param: [2.31877038 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.19398500000000007

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10578500000000002

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prob: 1

param: [2.31886892 3.48552324 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1896850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.7250850000000002

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prob: 1

param: [2.31883128 2.39996323 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.8216850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.0344850000000001

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prob: 1

param: [2.31883128 3.88322208 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08908500000000008

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.31118500000000004

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prob: 1

param: [2.31883128 4.79992646 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.232985

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.043685000000000196

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prob: 1

param: [2.31883128 4.05217332 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07518500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.042685000000000084

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prob: 1

param: [2.31883128 4.09626604 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.06538500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.10948500000000005

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prob: 1

param: [2.31883128 4.3650404 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.10728500000000007

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.062485000000000124

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prob: 1

param: [2.31883128 4.19892871 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08768500000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04438500000000012

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prob: 1

param: [2.31883128 4.11132951 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07658500000000013

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04288500000000006

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prob: 1

param: [2.31883128 4.08102661 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08208500000000019

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.045885000000000176

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prob: 1

param: [2.31883128 4.0904451 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08438500000000015

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05538500000000002

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prob: 1

param: [2.31883128 4.10201977 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07158500000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04398500000000016

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prob: 1

param: [2.31883128 4.09404264 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0929850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049185000000000034

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prob: 1

param: [2.31883128 4.09846377 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.09238500000000016

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049085000000000045

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prob: 1

param: [2.31883128 4.09541678 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0940850000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.052585000000000104

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prob: 1

param: [2.31883128 4.0971055 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0767850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04638500000000012

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prob: 1

param: [2.31883128 4.09594165 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07748500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.045985000000000165

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prob: 1

param: [2.31883128 4.09658668 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.06998500000000019

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.0476850000000002

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prob: 1

param: [2.31883128 4.09614213 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07198500000000019

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.045985000000000165

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prob: 1

param: [2.31883128 4.09638851 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07928500000000005

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04578500000000019

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prob: 1

param: [2.31883128 4.09621871 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07218500000000017

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049485

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prob: 1

param: [2.31883128 4.09631282 4.76679012]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07088500000000009

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.038285000000000124

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prob: 1

param: [2.31883128 4.09626604 2.39996323]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08068500000000012

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04998500000000017

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prob: 1

param: [2.31883128 4.09626604 3.88322208]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07728500000000005

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04828500000000013

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prob: 1

param: [2.31883128 4.09626604 4.79992646]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08268500000000012

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04828500000000013

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prob: 1

param: [2.31883128 4.09626604 3.47773903]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07008500000000017

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04848500000000011

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prob: 1

param: [2.31883128 4.09626604 3.20320545]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08138500000000004

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04188500000000017

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prob: 1

param: [2.31883128 4.09626604 3.63261977]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07778499999999999

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.045985000000000165

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prob: 1

param: [2.31883128 4.09626604 3.37287653]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08098500000000008

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.059585

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prob: 1

param: [2.31883128 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.06868500000000011

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.0485850000000001

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prob: 1

param: [2.31883128 4.09626604 3.60624949]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07418500000000017

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05288500000000007

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prob: 1

param: [2.31883128 4.09626604 3.52208581]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08728500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04778500000000019

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prob: 1

param: [2.31883128 4.09626604 3.53693156]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08048500000000014

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04408500000000015

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prob: 1

param: [2.31883128 4.09626604 3.53124038]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08228500000000016

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04288500000000006

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prob: 1

param: [2.31883128 4.09626604 3.53473711]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07288500000000009

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05508500000000005

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prob: 1

param: [2.31883128 4.09626604 3.53607274]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.079685

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.053485000000000005

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prob: 1

param: [2.31883128 4.09626604 3.53658291]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.09558500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04498500000000005

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prob: 1

param: [2.31883128 4.09626604 3.53677778]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08128500000000005

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05618500000000015

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prob: 1

param: [2.31883128 4.09626604 3.53685221]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.09578500000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.9289850000000001

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prob: 1

param: [4.22767557 4.70700884 2.30700629]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.9604850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04978500000000019

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prob: 1

param: [2.39996323 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.067585

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.44428500000000004

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prob: 1

param: [3.88322208 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.557485

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.19598500000000008

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prob: 1

param: [1.48325885 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.20358500000000013

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.045485

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prob: 1

param: [2.31355008 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07628500000000016

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.12538500000000008

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prob: 1

param: [2.9665177 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.17538500000000012

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.052585000000000104

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prob: 1

param: [2.46973094 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08168500000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04668500000000009

----------------------------------------------

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prob: 1

param: [2.3827231 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0787850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05418500000000015

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prob: 1

param: [2.42661212 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07908500000000007

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04998500000000017

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prob: 1

param: [2.4101422 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07938500000000004

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.040285000000000126

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prob: 1

param: [2.39337809 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07628500000000016

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.041585000000000205

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prob: 1

param: [2.40385125 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08278500000000011

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049485

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prob: 1

param: [2.39744793 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08098500000000008

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049085000000000045

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prob: 1

param: [2.40144832 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08278500000000011

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05108500000000005

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prob: 1

param: [2.39900247 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07748500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.053385000000000016

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prob: 1

param: [2.40053048 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0828850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.049185000000000034

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prob: 1

param: [2.39959625 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0727850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.039085000000000036

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prob: 1

param: [2.4001799 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07868500000000012

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04058500000000009

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prob: 1

param: [2.39982306 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.1009850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.050285000000000135

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prob: 1

param: [2.40004599 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0899850000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05048500000000011

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prob: 1

param: [2.39990969 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.079685

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.0485850000000001

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prob: 1

param: [2.39999656 4.09626604 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.11998500000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.730785

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prob: 1

param: [2.39996323 2.39996323 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.8029850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.028285000000000116

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prob: 1

param: [2.39996323 3.88322208 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.09948500000000005

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.301285

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prob: 1

param: [2.39996323 4.79992646 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.24668500000000004

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.0476850000000002

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prob: 1

param: [2.39996323 4.03806694 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07238500000000014

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.05638500000000013

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prob: 1

param: [2.39996323 4.15930411 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08358500000000002

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04578500000000019

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prob: 1

param: [2.39996323 4.05099441 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07298500000000008

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.038285000000000124

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prob: 1

param: [2.39996323 3.989852 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.0807850000000001

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.038385000000000113

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prob: 1

param: [2.39996323 4.03810027 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08748500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.035985000000000156

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prob: 1

param: [2.39996323 4.0380336 3.53689821]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08318500000000006

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04928500000000002

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prob: 1

param: [2.39996323 4.03806694 2.39996323]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.07748500000000003

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.04308500000000004

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prob: 1

param: [2.39996323 4.03806694 3.88322208]

p[i] 1

p[i] 0

training purity: 1

hsd: 0.08188500000000021

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p[i] 1

p[i] 0

training purity: 1

hsd actual: 0.040485000000000104

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