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## Part 1

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0.9266666666666666

[[50 0 0]

[ 0 49 1]

[ 0 10 40]]

	precision	recall	f1-score	support
--	-----------	--------	----------	---------

0	1.00	1.00	1.00	50
---	------	------	------	----

1	0.83	0.98	0.90	50
---	------	------	------	----

2	0.98	0.80	0.88	50
---	------	------	------	----

accuracy		0.93		150
----------	--	------	--	-----

macro avg	0.94	0.93	0.93	150
-----------	------	------	------	-----

weighted avg	0.94	0.93	0.93	150
--------------	------	------	------	-----

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[[ 0.36158968]

[-0.08226889]

[ 0.85657211]

[ 0.35884393]]

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## Part 2

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0.9266666666666666

[[50 0 0]

[ 0 49 1]

[ 0 10 40]]

	precision	recall	f1-score	support
--	-----------	--------	----------	---------

0	1.00	1.00	1.00	50
---	------	------	------	----

1	0.83	0.98	0.90	50
---	------	------	------	----

2	0.98	0.80	0.88	50
---	------	------	------	----

accuracy		0.93		150
----------	--	------	--	-----

macro avg	0.94	0.93	0.93	150
-----------	------	------	------	-----

weighted avg	0.94	0.93	0.93	150
--------------	------	------	------	-----

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### Extra Trees

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0.9533333333333334

[[50 0 0]

[ 0 46 4]

[ 0 3 47]]

	precision	recall	f1-score	support
--	-----------	--------	----------	---------

0	1.00	1.00	1.00	50
---	------	------	------	----

1	0.94	0.92	0.93	50
---	------	------	------	----

2	0.92	0.94	0.93	50
---	------	------	------	----

accuracy		0.95		150
----------	--	------	--	-----

macro avg	0.95	0.95	0.95	150
-----------	------	------	------	-----

weighted avg	0.95	0.95	0.95	150
--------------	------	------	------	-----

\*\*\*\*\*

### Iteration 1

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.3098885270363785

Random Uniform: 0.058400637558371216

Restart

\*\*\*\*\*

### Iteration 2

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.668294555376828

Random Uniform: 0.17437677120024953

Restart

\*\*\*\*\*

### Iteration 3

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.20412815233433812

Random Uniform: 0.39740332605615014

Restart

\*\*\*\*\*

### Iteration 4

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8591451562159325  
Random Uniform: 0.816902611102521

Restart

\*\*\*\*\*

Iteration 5

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7037818331464843

Random Uniform: 0.9389343701182413

Restart

\*\*\*\*\*

Iteration 6

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7699396351677235

Random Uniform: 0.6527692919337758

Restart

\*\*\*\*\*

Iteration 7

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8863057264694453

Random Uniform: 0.32375793752471405

Restart

\*\*\*\*\*

Iteration 8

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.4715852581632959

Random Uniform: 0.2415119308156427

Restart

\*\*\*\*\*

Iteration 9

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.20854360453683563

Random Uniform: 0.88279761437052

Restart

\*\*\*\*\*

Iteration 10

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.5357501321615722

Random Uniform: 0.27491419025679353

Restart

\*\*\*\*\*

Iteration 11

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6624798029255345

Random Uniform: 0.13818306666307312

Restart

\*\*\*\*\*

Iteration 12

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6721739946718739

Random Uniform: 0.1974939470834619

Restart

\*\*\*\*\*

Iteration 13

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8529835521714577

Random Uniform: 0.5850973573947146

Restart

\*\*\*\*\*

Iteration 14

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.3999259405747748

Random Uniform: 0.5456985294673963

Restart

\*\*\*\*\*

Iteration 15

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7307905110117863

Random Uniform: 0.7462210248096224

Restart

\*\*\*\*\*

Iteration 16

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.038467064175141785

Random Uniform: 0.8248514435061443

Restart

\*\*\*\*\*

Iteration 17

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.9670780747542944

Random Uniform: 0.709245462422233

Restart

\*\*\*\*\*

Iteration 18

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7864955865354633

Random Uniform: 0.8339509934922564

Restart

\*\*\*\*\*

Iteration 19

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.0023770644826435205

Random Uniform: 0.38588261934086854

Restart

\*\*\*\*\*

Iteration 20

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.5824672968963712

Random Uniform: 0.5251774416161439

Restart

\*\*\*\*\*

Iteration 21

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.3723488656010637

Random Uniform: 0.96341105365813

Restart

\*\*\*\*\*

Iteration 22

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.06983420549865627

Random Uniform: 0.36869886993940537

Restart

\*\*\*\*\*

Iteration 23

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333  
Pr[accept]: 0.2466527317300924  
Random Uniform: 0.8281569915931486  
Restart

\*\*\*\*\*

Iteration 24  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.6040598742467063  
Random Uniform: 0.34796548955429474  
Restart

\*\*\*\*\*

Iteration 25  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.7583896810223121  
Random Uniform: 0.4869295317964889  
Restart

\*\*\*\*\*

Iteration 26  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.9556131977069893  
Random Uniform: 0.06154669776083299  
Restart

\*\*\*\*\*

Iteration 27  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.2298046095893933  
Random Uniform: 0.18983305805857498  
Restart

\*\*\*\*\*

Iteration 28  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.6668988327504941  
Random Uniform: 0.29094458067656004  
Restart

\*\*\*\*\*

Iteration 29  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.479325225319131

Random Uniform: 0.11916426360707244

Restart

\*\*\*\*\*

Iteration 30

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.006512752947626654

Random Uniform: 0.739462259087899

Restart

\*\*\*\*\*

Iteration 31

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8635211670836237

Random Uniform: 0.5458629374997985

Restart

\*\*\*\*\*

Iteration 32

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6948908076892968

Random Uniform: 0.9835561139199377

Restart

\*\*\*\*\*

Iteration 33

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.02604126152205455

Random Uniform: 0.2128469387285895

Restart

\*\*\*\*\*

Iteration 34

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8695273210051309

Random Uniform: 0.063865857433546

Restart

\*\*\*\*\*

Iteration 35

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.9070301972510522

Random Uniform: 0.7357003039844433

Restart

\*\*\*\*\*

Iteration 36

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8994650845620107

Random Uniform: 0.3018903043480007

Restart

\*\*\*\*\*

Iteration 37

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.9419414864572624

Random Uniform: 0.8777946048106763

Restart

\*\*\*\*\*

Iteration 38

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7714159875308384

Random Uniform: 0.37328855794099336

Restart

\*\*\*\*\*

Iteration 39

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.659374693950533

Random Uniform: 0.5471985314431024

Restart

\*\*\*\*\*

Iteration 40

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.4495308638923169

Random Uniform: 0.0454072025015807

Restart

\*\*\*\*\*

Iteration 41

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.4640989032292525

Random Uniform: 0.6001914717971041

Restart

\*\*\*\*\*

Iteration 42



Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8120673961093879

Random Uniform: 0.556637605218843

Restart

\*\*\*\*\*

Iteration 43

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8890481564832281

Random Uniform: 0.5202415172909811

Restart

\*\*\*\*\*

Iteration 44

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6741342144594108

Random Uniform: 0.3762401913206246

Restart

\*\*\*\*\*

Iteration 45

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7451875047031823

Random Uniform: 0.17869757606048087

Restart

\*\*\*\*\*

Iteration 46

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.9407809599088575

Random Uniform: 0.045638715406516206

Restart

\*\*\*\*\*

Iteration 47

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.382454451926001

Random Uniform: 0.8305238500333445

Restart

\*\*\*\*\*

Iteration 48

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.4782080452773694  
Random Uniform: 0.7858566589002136  
Restart  
\*\*\*\*\*  
Iteration 49  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.27594542369300656  
Random Uniform: 0.9566329475634693  
Restart  
\*\*\*\*\*  
Iteration 50  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.06667644885718416  
Random Uniform: 0.0901626934276698  
Restart  
\*\*\*\*\*  
Iteration 51  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.970508311544323  
Random Uniform: 0.5935392893194656  
Restart  
\*\*\*\*\*  
Iteration 52  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.8148251015268728  
Random Uniform: 0.8878614860793215  
Restart  
\*\*\*\*\*  
Iteration 53  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.4503911998788488  
Random Uniform: 0.22792065374257076  
Restart  
\*\*\*\*\*  
Iteration 54  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.947739189476684  
Random Uniform: 0.7729077237752678

Restart

\*\*\*\*\*

Iteration 55

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.5831639185634016

Random Uniform: 0.04636430496739641

Restart

\*\*\*\*\*

Iteration 56

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.19253632717004132

Random Uniform: 0.9924054425910219

Restart

\*\*\*\*\*

Iteration 57

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.12650913903568517

Random Uniform: 0.14073627636582742

Restart

\*\*\*\*\*

Iteration 58

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.9222906715931448

Random Uniform: 0.6139136831074964

Restart

\*\*\*\*\*

Iteration 59

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.4920959787978887

Random Uniform: 0.9660869448642816

Restart

\*\*\*\*\*

Iteration 60

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.03232751097150188

Random Uniform: 0.387547005652058

Restart

\*\*\*\*\*

Iteration 61

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.5788960305420532

Random Uniform: 0.5321490248937046

Restart

\*\*\*\*\*

Iteration 62

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.034524422451601366

Random Uniform: 0.4137869049760775

Restart

\*\*\*\*\*

Iteration 63

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.45644953584811876

Random Uniform: 0.8760920172598728

Restart

\*\*\*\*\*

Iteration 64

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.10558927941282548

Random Uniform: 0.5151210082432927

Restart

\*\*\*\*\*

Iteration 65

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.06872309212752803

Random Uniform: 0.9765996270416446

Restart

\*\*\*\*\*

Iteration 66

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.821577462976904

Random Uniform: 0.8917404561757646

Restart

\*\*\*\*\*

Iteration 67

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333  
Pr[accept]: 0.8981897825465704  
Random Uniform: 0.4421578634686497  
Restart

\*\*\*\*\*

Iteration 68  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.19060932976182665  
Random Uniform: 0.4376846150352227  
Restart

\*\*\*\*\*

Iteration 69  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.5634734410022716  
Random Uniform: 0.20356370717478445  
Restart

\*\*\*\*\*

Iteration 70  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.5545339922771364  
Random Uniform: 0.44867085892623826  
Restart

\*\*\*\*\*

Iteration 71  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.8830736614568703  
Random Uniform: 0.02393995639108948  
Restart

\*\*\*\*\*

Iteration 72  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.643402295529938  
Random Uniform: 0.7459549494914631  
Restart

\*\*\*\*\*

Iteration 73  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.9091921456154064

Random Uniform: 0.8608445727061235

Restart

\*\*\*\*\*

Iteration 74

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.29268662703912185

Random Uniform: 0.2271261217739331

Restart

\*\*\*\*\*

Iteration 75

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.2192754074152633

Random Uniform: 0.3825060270247651

Restart

\*\*\*\*\*

Iteration 76

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6335769011204446

Random Uniform: 0.6451412974236488

Restart

\*\*\*\*\*

Iteration 77

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.3865452863557767

Random Uniform: 0.45956028054499065

Restart

\*\*\*\*\*

Iteration 78

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.12076364457549471

Random Uniform: 0.9776196561032329

Restart

\*\*\*\*\*

Iteration 79

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.7581145225637538

Random Uniform: 0.15308765948790504

Restart

\*\*\*\*\*

Iteration 80

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.37788675810886974

Random Uniform: 0.3039005106827395

Restart

\*\*\*\*\*

Iteration 81

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.36785003319417975

Random Uniform: 0.8083204674330172

Restart

\*\*\*\*\*

Iteration 82

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.2547040527995128

Random Uniform: 0.4507532777683463

Restart

\*\*\*\*\*

Iteration 83

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6968178760637342

Random Uniform: 0.5118930183946488

Restart

\*\*\*\*\*

Iteration 84

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.8613026465257774

Random Uniform: 0.8826100362504955

Restart

\*\*\*\*\*

Iteration 85

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.15208954523130602

Random Uniform: 0.5835390890471397

Restart

\*\*\*\*\*

Iteration 86

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.5443746264687194  
Random Uniform: 0.11738547106953301  
Restart  
\*\*\*\*\*

Iteration 87  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.24767591314913162  
Random Uniform: 0.8923886300700123  
Restart  
\*\*\*\*\*

Iteration 88  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.19092395285109742  
Random Uniform: 0.3267309399823586  
Restart  
\*\*\*\*\*

Iteration 89  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.8437925803335803  
Random Uniform: 0.8420743119526096  
Restart  
\*\*\*\*\*

Iteration 90  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.5035581600788367  
Random Uniform: 0.7134606169619028  
Restart  
\*\*\*\*\*

Iteration 91  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.21235400653093028  
Random Uniform: 0.0004786919834137704  
Restart  
\*\*\*\*\*

Iteration 92  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333



Pr[accept]: 0.5744681443305347  
Random Uniform: 0.9271135067908648  
Restart  
\*\*\*\*\*  
Iteration 93  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.018780366295150452  
Random Uniform: 0.6587218864840465  
Restart  
\*\*\*\*\*  
Iteration 94  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.28005742051874294  
Random Uniform: 0.3425725219273146  
Restart  
\*\*\*\*\*  
Iteration 95  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.09514730471707267  
Random Uniform: 0.5983283627895787  
Restart  
\*\*\*\*\*  
Iteration 96  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.1604373944589752  
Random Uniform: 0.3027732052733032  
Restart  
\*\*\*\*\*  
Iteration 97  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.5622574703759956  
Random Uniform: 0.11876713894692681  
Restart  
\*\*\*\*\*  
Iteration 98  
Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]  
Accuracy: 0.5133333333333333  
Pr[accept]: 0.4202967089693126  
Random Uniform: 0.9424151377122592

Restart

\*\*\*\*\*

Iteration 99

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.3898654705240904

Random Uniform: 0.7343566406038847

Restart

\*\*\*\*\*

Iteration 100

Subset of features: [1, 1, 1, 1, 1, 1, 1, 1]

Accuracy: 0.5133333333333333

Pr[accept]: 0.6271758490088143

Random Uniform: 0.9583775022116536

Restart

\*\*\*\*\*

Generation 1

Subset of features: [1, 1, 1, 1]

Accuracy: 0.7266666666666667

\*\*\*\*\*

Generation 2

Subset of features: [1, 1, 1, 0]

Accuracy: 0.7333333333333333

\*\*\*\*\*

Generation 3

Subset of features: [1, 1, 1, 0]

Accuracy: 0.72

\*\*\*\*\*

Generation 4

Subset of features: [1, 1, 1, 0]

Accuracy: 0.7266666666666667

\*\*\*\*\*

Generation 5

Subset of features: [0, 1, 1, 0]

Accuracy: 0.7266666666666667

\*\*\*\*\*

Generation 6

Subset of features: [1, 1, 0, 0]

Accuracy: 0.7266666666666667

\*\*\*\*\*

Generation 7

Subset of features: [1, 1, 0, 0]

Accuracy: 0.7133333333333334

\*\*\*\*\*

Generation 8  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 9  
Subset of features: [1, 1, 0, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 10  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 11  
Subset of features: [1, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 12  
Subset of features: [1, 1, 0, 1]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 13  
Subset of features: [0, 0, 1, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 14  
Subset of features: [0, 1, 0, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 15  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 16  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 17  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 18  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 19  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 20  
Subset of features: [1, 1, 1, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 21  
Subset of features: [1, 1, 0, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 22  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 23  
Subset of features: [0, 0, 1, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 24  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 25  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 26  
Subset of features: [0, 1, 0, 1]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 27  
Subset of features: [0, 1, 0, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 28  
Subset of features: [1, 1, 0, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 29  
Subset of features: [1, 0, 0, 0]  
Accuracy: 0.74  
\*\*\*\*\*

Generation 30  
Subset of features: [0, 1, 0, 0]  
Accuracy: 0.74  
\*\*\*\*\*

Generation 31  
Subset of features: [0, 1, 0, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 32  
Subset of features: [1, 1, 1, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 33  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 34  
Subset of features: [0, 1, 0, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 35  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 36  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 37  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 38  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 39  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 40  
Subset of features: [0, 0, 1, 1]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 41  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 42  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.72  
\*\*\*\*\*

Generation 43  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 44  
Subset of features: [0, 1, 1, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 45  
Subset of features: [1, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 46  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 47  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 48  
Subset of features: [0, 1, 0, 1]  
Accuracy: 0.7266666666666667  
\*\*\*\*\*

Generation 49  
Subset of features: [1, 0, 1, 1]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*

Generation 50  
Subset of features: [0, 1, 1, 0]  
Accuracy: 0.7333333333333333  
\*\*\*\*\*