100 90 80 80 60 40 40	Dimensions: 2, Budget: 300 10 90 80 70 60 50 40	Dimensions: 2, Budget: 500 100 90 80 70 60 50 40	Dimensions: 2, Budget: 1000	Dimensions: 2, Budget: 1500 100 90 90 8 80 8 80 60 60	Dimensions: 2, Budget: 2000	Dimensions: 2, Budget: 2500 100 90 80 60	Dimensions: 2, Budget: 3000 100 -	Dimensions: 2, Budget: 3500 100 -	Dimensions: 2, Budget: 4000 100 -	Dimensions: 2, Budget: 4500 100 - 90 - 880 - 60 - 60 - 60 - 60 - 60 - 60 -	Dimensions: 2, Budget: 5000 100 - 90 - 80 - 80 - 60 - 60 - 60 - 60 - 60 - 6	Dimensions: 2, Budget: 6000 100 - 95 - 90 - 85 - 75 - 70 - 70 - 900	Dimensions: 2, Budget: 7000 100 - 95 - 85 - 80 - 80 - 80 - 80 - 80 - 80 - 8	Dimensions: 2, Budget: 8000	Dimensions: 2, Budget: 9000 100 - 95 - 85 - 85 - 85 - 85 - 85 - 85 - 85	Dimensions: 2, Budget: 10000 100.0 - 97.5 - 95.0 - 87.5 - 85.0 -
20 10¹ 10³ 10⁵ 107 109 log loss algorithm ChainMetaModelPowell CMA MetaModelOnePlusOne MetaModel ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 3, Budget: 200 100 80 -	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 3, Budget: 300	30 - 101 103 105 107 109 log loss algorithm — CMA — MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 3, Budget: 500 100 - 90 - 80 - 90	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA MetaModel Dimensions: 3, Budget: 1000	50 - 101 103 105 107 109 1011 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel ConfPortfolio_scale2_scale=1.3_ngopt14s_4 CMA ChainMetaModelPowell Dimensions: 3, Budget: 1500 100 - 90 - 80 - 90	10¹ 10³ 10⁵ 107 109 10¹¹¹ log loss algorithm CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_scale=1.3_ngopt14s_5 — MetaModel — ChainMetaModelPowell Dimensions: 3, Budget: 2000	Dimensions: 3, Budget: 2500	10¹ 10³ 10⁵ 107 109 10¹¹¹ log loss algorithm MetaModel CMA ChainMetaModelPowell ConfPortfolio_scale2_scale=1.3_ngopt14s_7 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 3, Budget: 3000	Dimensions: 3, Budget: 3500	Dimensions: 3, Budget: 4000	101 103 105 107 109 1011 log loss algorithm — CMA — MetaModel — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_scale=1.3_ngopt14s_10 Dimensions: 3, Budget: 4500 100 - 95 - 90 -	Dimensions: 3, Budget: 5000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_scale=1.3_ngopt14s_18 ConfPortfolio_scale2_scale=1.3_ngopt14s_13 ConfPortfolio_scale2_scale=1.3_ngopt14s_20 ConfPortfolio_scale2_scale=1.3_ngopt14s_17 Dimensions: 3, Budget: 6000	101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_scale=1.3_ngopt14s_17 ConfPortfolio_scale2_scale=1.3_ngopt14s_18 ConfPortfolio_scale2_scale=1.3_ngopt14s_20 ConfPortfolio_scale2_scale=1.3_ngopt14s_19 ConfPortfolio_scale2_scale=1.3_ngopt14s_15 Dimensions: 3, Budget: 7000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_scale=1.3_ngopt14s_18 ConfPortfolio_scale2_scale=1.3_ngopt14s_20 ConfPortfolio_scale2_scale=1.3_ngopt14s_19 ConfPortfolio_scale2_scale=1.3_ngopt14s_17 ConfPortfolio_scale2_scale=1.3_ngopt14s_21 Dimensions: 3, Budget: 8000	log loss algorithm ConfPortfolio_scale2_scale=1.3_ngopt14s_20 ConfPortfolio_scale2_scale=1.3_ngopt14s_21 ConfPortfolio_scale2_scale=1.3_ngopt14s_17 ConfPortfolio_scale2_scale=1.3_ngopt14s_19 ConfPortfolio_scale2_scale=1.3_ngopt14s_18 Dimensions: 3, Budget: 9000	82.5 - 80.0 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_scale=1.3_ngopt14s_21 ConfPortfolio_scale2_scale=1.3_ngopt14s_20 ConfPortfolio_scale2_scale=1.3_ngopt14s_18 ConfPortfolio_scale2_scale=1.3_ngopt14s_19 ConfPortfolio_scale2_scale=1.3_ngopt14s_17 Dimensions: 3, Budget: 10000
60 - 40 - 40 - 40 - 40 - 20 - 20 - 20 - 2	8 SENTING PROPERTY OF THE PROP	10	70 - 60 - 60 - 60 - 60 - 60 - 60 - 60 -	% su	0 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModel ConfPortfolio scale2 scale=1.3 ngopt14s 3	880 - 80 - 60 - 50 - 101 103 105 107 109 1011	80 - 70 - 60 - 101 103 105 107 109 1011 log loss algorithm — ConfPortfolio_scale2_scale=1.3_ngopt14s_5 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell	88 80 - 101 103 105 107 109 1011	880 - 70 - 60 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — ConfPortfolio_scale2_scale=1.3_ngopt14s_6 — MetaModel — CMA	80 - 75 - 70 - 65 - 60 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — MetaModel — ConfPortfolio scale2 scale=1.3 ngopt14s 7	80 60 101 103 105 107 109 101 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA ChainMetaModelPowell MetaModel	80 70 60 101 103 105 107 109 1011 log loss algorithm ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel ConfPortfolio scale2 scale=1.3 ngopt14s 9	885 - 886 - 75 - 70 - 65 - 60 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — ConfPortfolio_scale2_scale=1.3_ngopt14s_10 — ConfPortfolio_scale2_scale=1.3_ngopt14s_18 — ConfPortfolio_scale2_scale=1.3_ngopt14s_14 — ChainMetaModelPowell	85 80 75 70 65 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ 10 ³ log loss algorithm ConfPortfolio_scale2_scale=1.3_ngopt14s_14 ConfPortfolio_scale2_scale=1.3_ngopt14s_18 MetaModel ConfPortfolio scale2 scale=1.3 ngopt14s 11	88 85 - 75 - 70 - 65 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_scale=1.3_ngopt14s_14 ConfPortfolio_scale2_scale=1.3_ngopt14s_17 ConfPortfolio scale2_scale=1.3_ngopt14s_13	885 - 886 - 880 - 75 - 70 - 65 - 101 103 105 107 109 101 log loss algorithm — MetaModel — ConfPortfolio_scale2_scale=1.3_ngopt14s_17 — ConfPortfolio_scale2_scale=1.3_ngopt14s_14 — ConfPortfolio_scale2_scale=1.3_ngopt14s_18
Dimensions: 5, Budget: 200 100 80 60 40 40	Dimensions: 5, Budget: 300 00- 80- 60- 40-	Dimensions: 5, Budget: 500 100 80 60 40 40 30	Dimensions: 5, Budget: 1000	ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 5, Budget: 1500 100 90 80 80 80 80 80 80 40 40 30 40	Dimensions: 5, Budget: 2000	Dimensions: 5, Budget: 2500 100 -	Dimensions: 5, Budget: 3000 100 -	Dimensions: 5, Budget: 3500 100 -	Dimensions: 5, Budget: 4000 100 - 90 - 80 - 80 - 80 - 50 - 40 - 40 - 80 - 80 - 80 - 80 - 80 - 8	Dimensions: 5, Budget: 4500 100 -	Dimensions: 5, Budget: 5000 100 - 90 - 80 - 80 - 60 - 50 - 40 - 60 - 60 - 60 - 60 - 60 - 60 - 6	Dimensions: 5, Budget: 6000 100 - 90 - 80 - 80 - 60 - 50 - 60 - 60 - 60 - 60 - 60 - 6	Dimensions: 5, Budget: 7000 100 - 90 - 80 - 70 - 60 - 50 - 50 - 60 - 60 - 60 - 60 - 6	Dimensions: 5, Budget: 8000 100 -	Dimensions: 5, Budget: 9000 100 - 90 - 8 80 - 60 - 60 - 60 -	Dimensions: 5, Budget: 10000 100 90 80 60 60
101 103 105 107 109 log loss algorithm MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel Cobyla ChainMetaModelPowell Dimensions: 10, Budget: 200 100 80 80 80	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell MetaModelOnePlusOne Cobyla MetaModel Dimensions: 10, Budget: 300	20 - 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell CMA MetaModelOnePlusOne MetaModel Dimensions: 10, Budget: 500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA MetaModel Dimensions: 10, Budget: 1000	101 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 103 105 1011 103 105 1011 103 105 1011	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell Dimensions: 10, Budget: 2000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Dimensions: 10, Budget: 2500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell CMA ConfPortfolio_scale2_NA_ngopt14s_7 MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 10, Budget: 3000	30 - 101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ConfPortfolio_scale2_NA_ngopt14s_7 CMA ChainMetaModelPowell MetaModel Dimensions: 10, Budget: 3500	30 - 101 103 105 107 109 1011 log loss algorithm	30 - 101 103 105 107 109 1011 log loss algorithm	30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_9 ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModel Dimensions: 10, Budget: 5000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹ log loss algorithm CMA MetaModel ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_9 ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 10, Budget: 6000	101 103 105 107 109 log loss algorithm — CMA — ConfPortfolio_scale2_NA_ngopt14s_10 — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — MetaModel Dimensions: 10, Budget: 7000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModel ConfPortfolio_scale2_NA_ngopt14s_11 ChainMetaModelPowell Dimensions: 10, Budget: 8000	Toli 103 105 107 109 log loss algorithm CMA MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_11 Dimensions: 10, Budget: 9000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel ConfPortfolio_scale2_NA_ngopt14s_12 ConfPortfolio_scale2_scale=1.3_ngopt14s_18 ChainMetaModelPowell ConfPortfolio_scale2_scale=1.3_ngopt14s_13 Dimensions: 10, Budget: 10000
40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	40 - 20 - 101 103 105 107 109 log loss algorithm ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 15, Budget: 300	40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	101 103 105 107 109 log loss algorithm MetaModelOnePlusOne MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 15, Budget: 1000	50	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA ChainMetaModelPowell MetaModel Dimensions: 15, Budget: 2000	101 103 105 107 109	101 103 105 107 109 log loss algorithm MetaModel CMA ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 15, Budget: 3000	60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel CMA ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell Dimensions: 15, Budget: 3500	Dimensions: 15, Budget: 4000	60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell CMA ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel Dimensions: 15, Budget: 4500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel CMA Dimensions: 15, Budget: 5000	60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — MetaModel — ChainMetaModelPowell — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 15, Budget: 6000	MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell Dimensions: 15, Budget: 7000	60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — MetaModel — ChainMetaModelPowell — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 15, Budget: 8000	0 60 - 50 - 40 - 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_scale=1.3_ngopt14s_2 CMA ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel Dimensions: 15, Budget: 9000	60 - 50 - 40 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ConfPortfolio_scale2_scale=1.3_ngopt14s_4 — ConfPortfolio_scale2_scale=1.3_ngopt14s_2 — MetaModel — ConfPortfolio_scale2_scale=1.3_ngopt14s_5 — CMA Dimensions: 15, Budget: 10000
80 60 40 20 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne ConfPortfolio_scale2_NA_ngopt14s_1 CMA	80 - 60 - 40 - 40 - 20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla	80 60 40 20 10 10 10 10 10 10 10 10 1	101 103 105 107 109 log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2)	80 - 80 - 80 - 80 - 80 - 80 - 80 - 80 -	log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2)		80 - 70 - 60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModel — CMA — ChainMetaModelPowell		80 -	80 - 8 70 - 60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell — CMA	80 - 8 70 - 9 70	80 - 80 - 70 - 60 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — MetaModel	80 - 8	80 - 8	80 - 8 70 - 40 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA MetaModel	80 - 80 - 70 - 40 - 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell — MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA
Dimensions: 20, Budget: 200 100 80 60 40 20 101 102 103 105 107 109	Dimensions: 20, Budget: 300 10 80 -	Dimensions: 20, Budget: 500 100 80 60 40 20 101 102 20 103 105 107 109	Dimensions: 20, Budget: 1000	## 50 - Standard Stan	Dimensions: 20, Budget: 2000 0 -	SE 60 - 80 - 40 - 101 103 105 107 109	Dimensions: 20, Budget: 3000 100 -	Dimensions: 20, Budget: 3500 100 -	Dimensions: 20, Budget: 4000 100 -	Dimensions: 20, Budget: 4500 100 -	Dimensions: 20, Budget: 5000 100 -	Dimensions: 20, Budget: 6000 100 -	Dimensions: 20, Budget: 7000 100 -	Dimensions: 20, Budget: 8000 100 -	Dimensions: 20, Budget: 9000 100 - 90 - 80 - 80 - 80 - 80 - 80 - 80 -	Dimensions: 20, Budget: 10000 100 -
log loss algorithm CMA ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 25, Budget: 200 100 80 80 80 40 40 40 40 40 40	Ing loss algorithm CMA ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne Cobyla Dimensions: 25, Budget: 300 00 - 80 - 40 -	log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla ChainMetaModelPowell MetaModelOnePlusOne Dimensions: 25, Budget: 500 100 80 80 40 40 40 40 40 40 40 40 40 40 40 40 40	log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Cobyla MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 25, Budget: 1000	log loss algorithm MetaModelOnePlusOne Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Dimensions: 25, Budget: 1500 100 80 80 40 40 40	log loss algorithm MetaModel Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 25, Budget: 2000	Ing loss algorithm ChainMetaModelPowell Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 25, Budget: 2500 100	Iog loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel CMA Dimensions: 25, Budget: 3000 100 -	Iog loss algorithm MetaModel ChainMetaModelPowell CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 25, Budget: 3500	Iog loss algorithm MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell Dimensions: 25, Budget: 4000 100 - 90 - 80 - 80 - 80 - 80 - 80 - 80 -	Iog loss algorithm MetaModel CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Dimensions: 25, Budget: 4500	Iog loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell — MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA Dimensions: 25, Budget: 5000	Iog loss algorithm MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell CMA Dimensions: 25, Budget: 6000	Iog loss algorithm MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA Dimensions: 25, Budget: 7000	Iog loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell MetaModel CMA ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 25, Budget: 8000	log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModel ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 25, Budget: 9000 100 - 90 - 80 - 80 - 80 - 80 - 80 - 80 - 80 - 8	log loss algorithm ChainMetaModelPowell CMA ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModel Dimensions: 25, Budget: 10000
20 -	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModelOnePlusOne — Cobyla Dimensions: 30, Budget: 300	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ loa loss algorithm	Dimensions: 30, Budget: 1000	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ loa loss algorithm	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ChainMetaModelPowell MetaModelOnePlusOne CMA Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 30, Budget: 2000	20 - 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla ChainMetaModelPowell CMA MetaModelOnePlusOne Dimensions: 30, Budget: 2500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell CMA Dimensions: 30, Budget: 3000	Dimensions: 30, Budget: 3500	Jos 101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModel MetaModel CMA Dimensions: 30, Budget: 4000	At the state of th	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModel — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell Dimensions: 30, Budget: 5000	At the second se	Total 103 105 107 109 log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA MetaModel Dimensions: 30, Budget: 7000	August 101 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 107 109 1011 103 105 105 107 109 1011 103 105 105 105 107 109 1011 105 105 105 105 105 107 109 1011 105 105 105 105 105 105 105 105 10	A0 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel ChainMetaModelPowell CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 30, Budget: 10000
20 - 20 - 20	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — MetaModelOnePlusOne Dimensions: 35, Budget: 300	20 - 101 103 105 107 109	algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2)	log loss	algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2)	20 - 101 103 105 107 109 log loss algorithm — CMA — Cobyla — MetaModelOnePlusOne — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 35, Budget: 2500	20 - 101 103 105 107 109 log loss algorithm Cobyla CMA ChainMetaModelPowell MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 35, Budget: 3000	20 - 101 103 105 107 109 log loss algorithm ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 35, Budget: 3500	Total 103 105 107 109 log loss algorithm MetaModel ChainMetaModelPowell CMA ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 35, Budget: 4000	Total 103 105 107 109 log loss algorithm CMA ChainMetaModelPowell MetaModel ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 35, Budget: 4500	Dimensions: 35, Budget: 5000	Total 103 105 107 109 log loss algorithm MetaModel ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell CMA Dimensions: 35, Budget: 6000	Dimensions: 35, Budget: 7000	Total 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModel ChainMetaModelPowell Dimensions: 35, Budget: 8000	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm	Total of the second sec
20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModelOnePlusOne — Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 40, Budget: 300	20 - 101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Cobyla Dimensions: 40, Budget: 500	101 103 105 107 109 log loss algorithm CMA ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 40, Budget: 1000	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Cobyla Dimensions: 40, Budget: 2000	20 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell MetaModelOnePlusOne Cobyla CMA Dimensions: 40, Budget: 2500	20 - 101 103 105 107 109 log loss algorithm Cobyla — CMA — MetaModelOnePlusOne — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 40, Budget: 3000 100 - 80 - 60 - 60 - 60 - 60 - 60 - 60 -	20 - 101 103 105 107 109 log loss algorithm Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 40, Budget: 3500	20 - 101 103 105 107 109 log loss algorithm — CMA — Cobyla — CaninMetaModelPowell — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 40, Budget: 4000	20 10¹ 10³ 10⁵ 10¹ 10⁰ 10¹¹ log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla CMA ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 40, Budget: 4500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm CMA — ChainMetaModelPowell — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModel Dimensions: 40, Budget: 5000	50	Total of the second sec	Total 103 105 107 109 log loss algorithm CMA MetaModel ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 40, Budget: 8000	Total 103 105 107 109 log loss algorithm ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModel Dimensions: 40, Budget: 9000	50 - 40 - 30 - 10¹ 10³ 10⁵ 107 10⁰ 10 log loss algorithm — CMA — MetaModel — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 40, Budget: 10000 100 - 90 - 80 - 80 - 80 - 80 - 80 - 80 - 80 - 8
20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — CMA — MetaModelOnePlusOne — ConfPortfolio_scale2_NA_ngopt14s_1 — Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 45, Budget: 300	20 - 101 103 105 107 109 log loss algorithm MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 45, Budget: 500 100 - 80 - 80 - 80 - 80 - 80 - 80 - 80 -	101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne Cobyla Dimensions: 45, Budget: 1000	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	10¹ 10³ 10⁵ 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 CMA MetaModelOnePlusOne Dimensions: 45, Budget: 2000	20 - 101 103 105 107 109 log loss algorithm MetaModelOnePlusOne — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 — Cobyla Dimensions: 45, Budget: 2500	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne Cobyla CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 45, Budget: 3000 100	20 - 101 103 105 107 109 log loss algorithm Cobyla — CMA — MetaModelOnePlusOne — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ChainMetaModelPowell Dimensions: 45, Budget: 3500	20 101 103 105 107 109 10a loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla CMA ChainMetaModelPowell MetaModelOnePlusOne Dimensions: 45, Budget: 4000	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — CMA — ChainMetaModelPowell — Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 45, Budget: 4500	Dimensions: 45, Budget: 5000	2 50 - 40 - 30 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — MetaModel — ChainMetaModelPowell — ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 45, Budget: 6000	Total scales algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel CMA ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 45, Budget: 7000	2. 50 - 40 - 30 - 10¹ 10³ 10⁵ 10⁻ 10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	Dimensions: 45, Budget: 9000	50 - 40 - 30 - 10¹ 10³ 10⁵ 10⁻ 10° 10° 10° 10° 10° 10° 10° 10° 10° 10°
40 -	40 - 20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModelOnePlusOne Dimensions: 50, Budget: 300	The second color of the	100 - 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla CMA Dimensions: 50, Budget: 1000	## 40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	10¹ 10³ 10⁵ 107 109 log loss algorithm CMA Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne Dimensions: 50, Budget: 2000	### 40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModelOnePlusOne — CMA Dimensions: 50, Budget: 3000	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm Cobyla MetaModelOnePlusOne — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 50, Budget: 3500	101 103 105 107 109 1011 log loss algorithm Cobyla CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne Dimensions: 50, Budget: 4000	Total Composition of the composi	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm — CMA — Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 50, Budget: 5000	Total	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — Cobyla — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 50, Budget: 7000	Dimensions: 50, Budget: 8000	Dimensions: 50, Budget: 9000	Total Parametrized Meta Model (multivariate_optimizer=CmaFmin2) — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — Chain Meta Model — Meta Model Dimensions: 50, Budget: 10000
do d	40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	Au 20 10 10 10 10 10 10 10 10 10	10 - 101 103 105 107 109 log loss algorithm CMA MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 60, Budget: 1000	101 103 105 107 109	101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Cobyla MetaModelOnePlusOne Dimensions: 60, Budget: 2000	Total 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ Log loss algorithm Cobyla MetaModelOnePlusOne CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 60, Budget: 2500	A0 - 101 103 105 107 109 1011 log loss algorithm MetaModelOnePlusOne CMA Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 60, Budget: 3000	20 - 101 103 105 107 109 1011 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Cobyla Dimensions: 60, Budget: 3500	Total 103 105 107 109 1011 log loss algorithm Cobyla MetaModelOnePlusOne ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 60, Budget: 4000	Dimensions: 60, Budget: 4500	40 - 20 - 101 103 105 107 109 log loss algorithm ChainMetaModelPowell CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla Dimensions: 60, Budget: 5000	Total 101 103 105 107 109 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 CMA ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 60, Budget: 6000	Au - 20 - 101 103 105 107 109 1011 log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — Cobyla Dimensions: 60, Budget: 7000	101 103 105 107 109	Dimensions: 60, Budget: 9000	Total 103 105 107 109 log loss algorithm CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel Dimensions: 60, Budget: 10000
40 - 40 - 20 20 20 20 20 20 20 20 20 20 20 20 20	do log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne CMA ConfPortfolio_scale2_scale=1.3_ngopt14s_16 Cobyla Dimensions: 70, Budget: 300	40 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	Dimensions: 70, Budget: 1000	landana	log loss	9gQud 40 - 20 - 101 103 105 107 109 log loss algorithm CMA	1 1	Dimensions: 70, Budget: 3500		20 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne Dimensions: 70, Budget: 4500	20 - 101 103 105 107 109 log loss algorithm CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModelOnePlusOne Dimensions: 70, Budget: 5000	20 10¹ 10³ 10⁵ 107 109 log_loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Dimensions: 70, Budget: 6000		20 - 10¹ 10³ 10⁵ 107 109 10¹¹¹ log loss algorithm Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell — CMA Dimensions: 70, Budget: 8000	40 - 20 - 10¹ 10³ 10⁵ 10⁻ 10⁰ 10¹¹ log loss algorithm Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — ChainMetaModelPowell Dimensions: 70, Budget: 9000	Total 103 105 107 109 101 103 105 107 109 102 log loss algorithm CMA ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel ChainMetaModelPowell ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 70, Budget: 10000
40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	dog loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla MetaModelOnePlusOne CMA Dimensions: 80, Budget: 300	40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	Dimensions: 80, Budget: 1000	algorithm MetaModelOnePlusOne CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla	Dimensions: 80, Budget: 2000	Dimensions: 80, Budget: 2500	40 - 20 - 101 103 105 107 109 log loss algorithm Cobyla MetaModelOnePlusOne — CMA — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 80, Budget: 3000	40 - 20 - 101 103 105 107 109 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 CMA Cobyla ChainMetaModelPowell Dimensions: 80, Budget: 3500	20 - 101 103 105 107 109 1011 log loss algorithm — ConfPortfolio_scale2_NA_ngopt14s_1 — CMA — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModelOnePlusOne Cobyla Dimensions: 80, Budget: 4000	algorithm Cobyla	20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm	Dimensions: 80, Budget: 6000	10 101 103 105 107 109 1011 log loss algorithm Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell MetaModelOnePlusOne ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 80, Budget: 7000	August 101 103 105 107 109 1011 log loss algorithm MetaModelOnePlusOne Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 80, Budget: 8000	101 103 105 107 109 1011	10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 100 log loss algorithm ChainMetaModelPowell Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 MetaModel CMA Dimensions: 80, Budget: 10000
40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	Jog loss algorithm MetaModelOnePlusOne Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 CMA ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 90, Budget: 300	40 20 100 101 102 log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 90, Budget: 500 100 80 100 80	101 103 105 107 109 log loss algorithm — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — CMA — Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModelOnePlusOne Dimensions: 90, Budget: 1000	CMA	M I M I IO BI O	Eggb 40 20 10¹ 10³ 10⁵ 107 109 log loss algorithm Cobyla — CMA — MetaModelOnePlusOne — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 90, Budget: 2500	C - (D - (C - C - C - C - C - C - C - C - C -	Total 103 105 107 109 log loss algorithm MetaModelOnePlusOne Cobyla ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA Dimensions: 90, Budget: 3500	20 101 103 105 107 109 log loss algorithm CMA ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 90, Budget: 4000	40 20 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm — CMA — Cobyla — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — ConfPortfolio_scale2_NA_ngopt14s_1 — MetaModelOnePlusOne Dimensions: 90, Budget: 4500	Au - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2	40 - 20 - 101 103 105 107 109 101 log loss algorithm Cobyla	MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 ChainMetaModelPowell Cobyla Dimensions: 90, Budget: 7000	40 - 20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss algorithm Cobyla — ConfPortfolio_scale2_NA_ngopt14s_1 — ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) — MetaModelOnePlusOne — ChainMetaModelPowell Dimensions: 90, Budget: 8000	Au - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ 10 ¹¹ log loss log loss	## 20 - 101 103 105 107 109 10
60 - 40 - 40 - 40 - 20 - 20 - 20 - 20 - 2	8 Supplemental State of the second of the se	60 40 40 20 10¹ 10³ 10⁵ 10⁻ 10⁰ log loss algorithm ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) CMA MetaModelOnePlusOne Dimensions: 100, Budget: 500 100 80	Dimensions: 100, Budget: 1000	Section Sect	Dimensions: 100, Budget: 2000	S S W HIP OF THE REPORT OF THE	60 - 40 - 20 - 101 103 105 107 109 log loss algorithm CMA MetaModelOnePlusOne ConfPortfolio_scale2_NA_ngopt14s_1 ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 100, Budget: 3000	20 - 101 103 105 107 109 log loss algorithm - CMA - ConfPortfolio_scale2_NA_ngopt14s_1 - MetaModelOnePlusOne - Cobyla - ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Dimensions: 100, Budget: 3500	W subject to the first of the f	40 - 20 - 10 ¹ 10 ³ 10 ⁵ 10 ⁷ 10 ⁹ log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Cobyla ChainMetaModelPowell CMA Dimensions: 100, Budget: 4500	Section 100 - 101 103 105 107 109 100 loss algorithm - ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) - Cobyla - CMA - MetaModelOnePlusOne - ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 100, Budget: 5000	ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne Cobyla ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 100, Budget: 6000	101 103 105 107 109 1011 log loss algorithm ChainMetaModelPowell ConfPortfolio_scale2_NA_ngopt14s_1 MetaModelOnePlusOne ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) Cobyla Dimensions: 100, Budget: 7000	8 subject to the first of the f	88 60 - 101 103 105 107 109 1011 log loss algorithm ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) MetaModelOnePlusOne — ConfPortfolio_scale2_NA_ngopt14s_1 — Cobyla — ChainMetaModelPowell Dimensions: 100, Budget: 9000	MetaModelOnePlusOne ChainMetaModelPowell Cobyla ParametrizedMetaModel(multivariate_optimizer=CmaFmin2) ConfPortfolio_scale2_NA_ngopt14s_1 Dimensions: 100, Budget: 10000
8 60 40 - 40 - 20 - 20	8 swalgoud 20 -	60 - 40 - 20 - 20 -	60 - 40 - 20 -	% 60 - % swalgoud 40 - 20 - 20	0 - 0 - 0 -	% 60 - 20 - 20 -	60 - 40 - 20 -	% 60 - 20 -	% 60 - Hand 40 - 20 -	% 60 - 40 - 30	% 60 - 40 -	% 60 - 40 - 20 -	% 60 - Wangou 40 - 20 -	% suggested at the second seco	% swelqoud 40 - 20 -	% 60 - Hand 40 - 20 -