Parameter Name	Name as ItemSelection paramet	Width	Purpose	Type	Default	Min	Max	List Values
Weights parameters								
Weight	bpweight	6	Scalar	Float	1	0	none	
RC Ability Weight	rcabilityweight	17	Scalar	Float	1	0	none	
Ability Weight	abilityweight	14	Scalar	Float	1	0	none	
Item Weight	itemweight	11	Scalar	Float	1	0	none	
Ability parameters								
Start Ability	startability	13	Scalar	Float	0	none	none	
Start Information	startinfo	17	Scalar	Float	0.25	0	none	
Ability Offset	abilityoffset	14	Scalar	Float	0	none	none	
Slope	slope	5	Scalar	Float	1	none	none	
Intersept	intercept	9	Scalar	Float	0	none	none	
Compute Ability Estimates	computeabilityestimates	25	Scalar	Boolean	FALSE			TRUE, FALSE
Sets parameters								
Cset1 Size	cset1size	10	Scalar	Integer	20	1	none (pool size)	
Cset1 Order	cset1order	11	Scalar	List	ABILITY	none	none	ABILITY, DISTRI
Cset1 Random	cset2random	12	Scalar	Integer	5	1	none (Set1 size)	
Cset1 Initial Random	cset2initialrandom	20	Scalar	Integer	999	1	none	
Precision parameters								
Precision Target	precisiontarget	16	Scalar	Float	1	0	none	
Precision Target Met Weight	precisiontargetmetweight	27	Scalar	Float	1	0	none	
Precision Target NotMet Weight	precisiontargetnotmetweight	30	Scalar	Float	1	0	none	
Too close SE(standard error)'s	toocloseses	30	Scalar	Float	0.1	0	none	
Cut Ability	adaptivecut	11	Scalar	Float	1	0	none	
Termination parameters								
Termination Too Close	terminationtooclose	21	Scalar	Boolean	FALSE			TRUE, FALSE
Termination Overall Info	terminationoverallinfo	24	Scalar	Boolean	FALSE			TRUE, FALSE
Termination RC Info	terminationrcinfo	19	Scalar	Boolean	FALSE			TRUE, FALSE
Termination Min Count	terminationmincount	21	Scalar	Boolean	FALSE			TRUE, FALSE
Termination Flags AND	terminationflagsand	21	Scalar	Boolean	FALSE			TRUE, FALSE
Min/Max algorithm parameters		28						
Operational minimum items	minitems	25	Scalar	Integer	2	0	20	
Operational minimum items	maxitems	25	Scalar	Integer	20	4	42	
Field test minimum items	ftminitem	24	Scalar	Integer	0	0	none	

Field test maximum items	ftmaxitem	24	Scalar	Integer	5	0	none	
Field test start position	ftstartpos	25	Scalar	Integer	3	3	5	
Field test end position	ftendpos	23	Scalar	Integer	8	5	10	
Common parameters								
Blueprint metric function	bpmetricfunction		Scalar	String	bp1'	none	none	bp1', 'bp2'
Selection Algorithm	selectionalgorithm		Scalar	String	adptive2'	none	none	adaptive', 'ada
OffGrade parameters								
Off Grade Probability Affect Profi	offGradeProbAffectProficiency		Scalar	Integer	0.00001	0.00000001	none	
Off Grade Minimum Items Admio	offGradeMinItemsAdministered		Scalar	Integer	20	1	none	
Proficient P-Level	proficientPLevel		Scalar	Integer	3	1	none	
Blueprint parameters								
Minimum items	minitems							
Maximum items	maxitems							
BP Strict Max	isstrictmax	13	Blueprint	Boolean	FALSE			
BP Start Ability	startability	16	Blueprint	Float	0	none	none	
BP Start Information	startinfo	20	Blueprint	Float	0	0	none	
BP Ability Weight (scalar)	abilityweight	26	Blueprint	Float	1	0	none	
BP Scalar	scalar	9	Blueprint	Float	1	0	none	
Cut Ability	adaptivecut	11	Blueprint	Float	1	none	none	
BP Precision Target	precisiontarget	19	Blueprint	Float	0	none	none	
BP Prec Target Met Weight	precisiontargetmetweight	25	Blueprint	Float	1	0	none	
BP Prec Target NotMet Weight	precisiontargetnotmetweight	28	Blueprint	Float	1	0	none	

Note
start SE = 1 / Math.sqrt(Math.max(0.25, startinfo))
BUTION, RANDOM
mixed up with cset2initialrandom # of set2
mixed up with cset2random transform->bp.randomizerInitialIndex
overall score/proficiency, used in consideration of TermTooClose
standardError < precisionTarget
standardError >= precisionTarget
|bp.theta - bp.adaptivecut| < bp.standardError * bp.tooCloseSEs
|bp.theta - bp.adaptivecut| < bp.standardError * bp.tooCloseSEs
If 'TRUE' you need to set precision parameters thoughtfully

ptive2'

Default value for all bpelements
Default value for all bpelements