SUT name	T-strength	Randomize don't care values?	Generate test set:

SUT name
ATA_Combine_xsvora02

T-strength
2

Randomize don't care values?
- ⦿ No
- ○ Yes

Generate test set:
- ⦿ only with block indices
- ○ with generated parameter values

---

new parameter identifier

data type
boolean

number of blocks
2

Add parameter

CountOfRequest ✖

integer

block	block value constraint	
1	CountOfRequest = 1	X
2	CountOfRequest > 1	X

⊕

CapacityOfCart ✖

integer

block	block value constraint	
1	CapacityOfCart = 50	X
2	CapacityOfCart = 150	X
3	CapacityOfCart = 500	X

⊕

SlotsOfCart
integer

block	block value constraint	
1	SlotsOfCart = 1	X
2	SlotsOfCart = 2	X
3	SlotsOfCart = 3 or SlotsOfCart = 4	X

⊕

LengthOfTrack
integer

block	block value constraint	
1	LengthOfTrack < 60	X
2	LengthOfTrack > 60 and LengthOfTrack < 120	X
3	LengthOfTrack > 120	X

⊕

CapacityCartFull
boolean

SlotsCartFull
boolean ✖

PrioritySet
boolean ✖

SUT constraints (optional)

constraint	constraint between blocks	
1	CapacityOfCart.1 -> !SlotsOfCart.1	X
2	CapacityOfCart.3 -> SlotsOfCart.1 or SlotsOfCart.2	X
3	PrioritySet.1 -> !LengthOfTrack.1	X
4	CountOfRequest.2 and SlotsOfCart.1 -> SlotsCartFull.1	X
5	!SlotsOfCart.1 and CountOfRequest.1 -> SlotsCartFull.2	X
6	PrioritySet.1 -> LengthOfTrack.2	X
7	!PrioritySet.1 -> LengthOfTrack.1	X
8	PrioritySet.1 -> CapacityCartFull.1 or SlotsCartFull.1	X
9	CountOfRequest.1 -> SlotsCartFull.2	X

ATA_Combine_xsvora02

Test Case ID	CapacityOfCart	SlotsOfCart	LengthOfTrack	CountOfRequest	CapacityCartFull	SlotsCartFull	PrioritySet
1	1	2	1	1	1	2	2
2	1	3	2	2	2	1	1
3	2	1	1	2	1	1	2
4	2	2	2	1	1	2	1
5	2	3	1	1	2	2	2
6	3	1	2	1	1	2	1
7	3	2	1	2	2	1	2
8	2	1	1	2	2	1	2
9	1	3	1	2	1	2	2