

SUMMARY OF FORMULATION LOGIC FOR AATRIZINVENTOR SOLUTION

Work Paper

If you applied summary or abbreviated descriptions, have them available to review this logic.

Objective of the Innovation Challenge

Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase

Evaluated Object S1

SUITCASE - Type: Moving

Object S2 interacting with S1

TRAVELLER - Type: Moving

Physical Variable or Characteristic

Transportation quality

the undesirable

With Less Transportation quality there is undesirable effects, then there is More difficulty to :

Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase

the desirable

With More Transportation quality there is desirable effect, then there is More ease to :

Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase

TRIZ Innovation Parameters Evaluated

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
1. Heaviness of moving object	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is More Weight to be transported by the traveler</p> <p>Effect : undesirable</p>	<input data-bbox="1352 218 1463 306" type="checkbox"/> Yes <input data-bbox="1352 306 1463 394" type="checkbox"/> No
7. Volume of moving object	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is More Volume to be transported by the traveler</p> <p>Effect : undesirable</p>	<input data-bbox="1352 508 1463 596" type="checkbox"/> Yes <input data-bbox="1352 596 1463 684" type="checkbox"/> No
9. Speed	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is Less Speed at which it is transported by the traveler</p> <p>Effect : undesirable</p>	<input data-bbox="1352 798 1463 886" type="checkbox"/> Yes <input data-bbox="1352 886 1463 974" type="checkbox"/> No
12. Shape / composition / configuration	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is Less Appropriate shape to be transported by the traveler</p> <p>Effect : undesirable</p>	<input data-bbox="1352 1087 1463 1176" type="checkbox"/> Yes <input data-bbox="1352 1176 1463 1264" type="checkbox"/> No
25. Loss of Time	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is More Time loss in transportation due to being heavy and bulky</p> <p>Effect : undesirable</p>	<input data-bbox="1352 1377 1463 1465" type="checkbox"/> Yes <input data-bbox="1352 1465 1463 1554" type="checkbox"/> No
35. Adaptability or versatility	<p>SUITCASE : There is More difficulty to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is Less Adaptability to the variability of the person transporting it</p> <p>Effect : undesirable</p>	<input data-bbox="1352 1667 1463 1755" type="checkbox"/> Yes <input data-bbox="1352 1755 1463 1843" type="checkbox"/> No

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
33. Ease of operation	SUITCASE : There is More ease to Improve Transportation of a traveler's suitcase affected by a heavy and bulky suitcase because there is More Ease of operation for transportation by the traveler. Effect : desirable	<input data-bbox="1354 216 1463 302" type="checkbox"/> Yes <input data-bbox="1354 306 1463 392" type="checkbox"/> No