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Lec-25 Modi Method

Transportation Problem in
hindi | Operation research I

Modi Method Using Vam

~~Transportation problem {~~

~~MODI method — U V method~~

~~with Optimal Solution }~~

kauserwise **Test for Optimal
Solution to a Transportation
Problem Using MODI Method**

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~~How To Solve An Unbalanced
Transportation Problem~~

~~PART 2 | MODI Method | UV
Method Optimality Check~~

Test for Optimality [MODI
METHOD] OR [Applying U-V
METHOD] of Transportation
Problem **UNBALANCED**

**Transportation problem - VAM
method with complete solved
problem by G N Satish Kumar**

Transportation-Modi Method
**Degeneracy in Transportation
Problem using modi[u-v]
method** Operations

~~Research(vol 3) MODI or UV
method by Srinivasa rao~~

~~Unbalanced Transportation
Problem|Northwest|Least
cost|VAM|With Simple~~

~~Procedure by kauserwise VAM
with MODI method ll~~

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~~important for transportation
problem 11 [hindi] Vogel
Approximation Method~~

~~Transportation Model in
hindi part 3~~ Operation
Research Transportation
Problem Optimal Solution
with MODI and ZQ (Total
Cost) Lecture 1

~~#transportation (Vogel's
Approximation Method) (VAM)~~

*Transportation Problem |
MODI method | IBFS*

*Optimality Check | UV Method
| Operations Research* **How to**

Optimize a Transportation

Problem Vogel Approximation

Method ~~How To Solve An~~

~~Assignment Problem. #1 |~~

~~Hungarian Method PERT in~~

Tamil

Assignment Problem |

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Unbalanced | Maximization
Type | Hungarian Method
Operations Research (OR)
*Tutorial #4: MODI Method
Explained in 3 Easy Steps!*
Transportation model -
Example 15 - degeneracy *How
To Solve Transportation
Problem | Vogel's
Approximation Method (Best
Way) | Happy Learning Modi
Method | Transportation
Problem (Hindi) How To Solve
An Unbalanced Transportation
Problem - PART-1 Vogel's
Approximation Method (Vam) |
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Method || Modi
Method || Operations
research || kauserwise*

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~~Solving Transportation Problems~~ UV
Method | MODI Method |
Optimality Test

~~Transportation Problem Using
UV or MODI Method [Part 3]
Modi [u-v] Method +
Transportation Problem in
Hindi The Modi And Vam
Methods~~

T4-4 CD TUTORIAL 4 THE MODI
AND VAM METHODS OF SOLVING
TRANSPORTATION PROBLEMS TABLE
T4.2 Second Solution to the
Arizona Plumbing Problem
FROM TO ABC FACTORY D E F
WAREHOUSE \$5 \$8 \$4 \$3 100
100 100 300 \$4 \$3 300 \$9 \$7
\$5 300 700 200 200 200 TABLE
T4.3

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~~Problems~~

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Academia.edu The MODI

(modified distribution)
method allows us to compute
improvement indices quickly
for each unused square
without drawing all of the
closed paths. Because of
this, it can often provide
considerable time savings
over other methods for
solving

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and Vogel's Approximation
Method (VAM). MODI METHOD
The MODI (modified
distribution) method

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allows us to compute
improvement indices quickly
for each unused square

~~(PDF) Solving Transportation
Problems: MODI and VAM
Methods~~

Since there is no negative
index computed, it means
that using the MODI method,
the VAM solution is the
optimal solution of the
company. The Improvement
Indices (I_{ij}) are computed
as follows: $RA-W2$ index = 25
 $- R1 - K2 = 25 - 0 - 10 = 15$
 $RB-W1$ index = $15 - R2 - K1 =$
 $15 - (-2) - 10 = 7$ $RB-W3$
index = $8 - R2 - K3 = 8 -$
 $(-2) - 10 = 0$ $RD-W3$ index =
 $0 - R3 - K3 = 0 - (-10) - 10$
 $= 0$

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~~VAM and MODI Method in
Solving Transportation
Problems~~

Problems: MODI and VAM
Methods Since there is no
negative index computed, it
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method, the VAM solution is
the optimal solution of the
company. The Improvement
Indices (I_{ij}) are computed
as follows: $RA - W_2 \text{ index} = 25$
 $- R_1 - K_2$

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3/15/2016 Solving
Transportation Problems MODI
& VAM Methods Prof. (Dr.)
Dalgobind Mahto | THIS PAGE

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IS LEFT INTENTIONALLY BLANK
This Transportation Problem
has been solved with two
techniques for solving
transportation problems: the
MODI method and Vogel's
Approximation Method (VAM).

~~MODI & VAM Methods~~

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methods of solving
transportation problems,
Author: Cecile, Name: The
modi and vam methods of
solving transportation
problems, Length: 4 pages,
Page: 1, Published: 2017-09
...

~~The modi and vam methods of
solving transportation ...~~

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In this paper, an optimal solution of Transportation programming problem has been considered. To obtain initial basic feasible solution (IBFS), the work shown here is done with Vogel "s approximation method (VAM). The MODI method is applied for

~~(PDF) A VAM AND MODI METHOD
TO SOLVE THE OPTIMALITY FOR~~

~~...~~

Transportation Problem | Set
6 (MODI Method - UV Method)
There are two phases to solve the transportation problem. In the first phase, the initial basic feasible solution has to be found and the second phase involves

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Optimization of the initial basic feasible solution that was obtained in the first phase. There are three methods for finding an initial basic feasible solution,

~~Transportation Problem | Set
6 (MODI Method — UV Method~~

~~...~~

Metode Modi (Modified Distribution) 3. Metode VAM (Vogel's Approximation Method) Pada sesi ini hanya akan dibahas mengenai metode transportasi dengan metode VAM, sedangkan metode Stepping Stone dan MODI sudah dibahas pada sesi tulisan sebelumnya. Metode VAM.

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~~METODE TRANSPORTASI~~

~~APROKSIMASI VOGEL (VAM) |~~

~~digensia~~

Solve the transportation problem using modi method and calculate the total minimum cost and generate iterations for your transportation problem using the below MODI calculator. This calculator helps you to find the unused route with the largest negative improvement index. Enter the number of rows and columns and the values for supply and demand ...

~~MODI Calculator |~~

~~Transportation Problem using
MODI Method~~

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In general, we let The MODI method then requires five steps: 1. To compute the values for each row and column, set $R_i + K_j = C_{ij}$ but only for those squares that are currently used or occupied. For example, if the square at the intersection of row 2 and column 1 is occupied, we set $R_2 + K_1 = C_{21}$. 2. After all equations have been written, set $R_1 = 0$. 3.

~~3_MODI_VAM Online Tutorial
The MODI and VAM Methods of
...~~

Method (VAM) merupakan metode yang lebih mudah dan lebih cepat untuk digunakan dalam mengalokasikan sumber

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... perhitungan dengan metode MODI, menghitung nilai baris dan kolom . 25
Ke Dari Gudang A=20 Gudang B=5 Gudang C=-5 Gudang D=0
Kapasitas Pabrik Pabrik W=0
50 90 Pabrik H=15 60 Pabrik

~~METODE VOGEL'S APPROXIMATION (VAM)~~

Vogel's Approximation Method
Definition: The Vogel's Approximation Method or VAM is an iterative procedure calculated to find out the initial feasible solution of the transportation problem. Like Least cost Method, here also the shipping cost is taken into consideration, but in a relative sense.

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~~What is Vogel's
Approximation Method?
definition and ...~~

and Vogel's Approximation Method (VAM). MODI METHOD
The MODI (modified distribution) method allows us to compute improvement indices quickly for each unused square

~~Solving MODI & VAM Problems
Methods~~

Definition: The Modified Distribution Method or MODI is an efficient method of checking the optimality of the initial feasible solution. The concept of MODI can be further comprehended through an illustration given below:

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~~Solving basic feasible
Problems~~

Initial basic feasible

solution is given below:
Now, calculate the values of
 u_i and v_j by using the
equation: $u_i + v_j = C_{ij}$.

~~What is Modified~~

~~Distribution Method?~~

~~definition and ...~~

NOTE: Formula " $p_{ij} = u_i + v_j - C_{ij}$ " according to this
formula the optimal values
should be Zero or less than
Zero which mean Zero or
negative values, and in
this...

~~Transportation problem {~~

~~MODI method — U V method~~

~~with ...~~

#VAM #MODImethod

#Transportationproblem In

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this I just explained the
Vogel's approximate METHOD
with Modifications method
.RIM condition and Total
cost which is same into in
other method of ...

~~VAM with MODI method is
important for transportation
problem is~~

Pada dasarnya masalah
transportasi merupakan
masalah LP yang dapat
diselesaikan dengan metode
simpleks. Karena metode
simpleks menimbulkan
penyelesaian yang lebih
sulit, maka penyelesaian
masalah transportasi akan
lebih mudah dengan
menggunakan metode Stepping
Stone, Vogel's Approximation

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Methods (VAM), dan metode
MODI (Modified
Distribution) .

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